Volume 60, No. 26 - May 31, 1993 (ISSN 0737-1659) PROPERTY OF THE PROPERTY OF TH



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From the Publisher ... Congratulations to Col. Gene Paul Rust, Keller, TX, on achieving 73 years of age and 61.5 years as a DX'er, since June, 1932!

Problems have occured with obtaining verifications from WWJZ-640, Mount Holly, NY for their March 1 equipment test. DX'ers who heard the test are asked to send a copy of their report to Ron Musco - National Radio Club - P. O. Box 118 - Poquonock, CT 06064. Return postage is required. Ron will attempt to obtain verifications for the equipment test only.

Eric Bueneman - 631 Coachway Lane - Hazelwood, MO 63042 will be taking over the Bandscan column.

Check out the NRC Convention announcement on page 47 for Enfield '93 from Head Swatter Ron Musco, and then get your reservations in. Mr. Tact says that's an order, hi. Also check inside for more information on the WTFDA convention. And others not mentioned inside: The IRCA convention in Billings, MT June 25, 26, and 27 (send an SASE to John C. Johnson - 979 Neptune Blvd. - Billings, MT 59105-2129, and the Monitoring Times convention, October 15-17, in Atlanta (send an SASE to P.O. Box 98 - Brasstown, NC 28902 for information); and, from Walt Breville, information about the Midwest Radio Rama '93 June 25-6 near Cincinnati (SASE to Spark, Inc. - P.O. Box 658-WWB - Dayton, OH 45409; Extravaganza '93 July 16-18, Lansing MI (SASE: P.O. Box 585 - Okemos, MI 48864; and Radiofest, Aug. 4-7 (SASE: Jeff Aulik - 1708 Parkview - Rockford, IL 61107).

DXChange ... Former member Dave Schneider - Box 35-B, HC1-WestShokan, NY 12494 called to say that he is in the process of acquiring a number of RÁCAL RA6790/GM receivers and refurbishing them for resale, the first to go for about \$1,000, with NRC members getting first chance. You can also call him at (914) 657-6158 for more information. Dave says that this RACAL is about the best DX machine he has used. And Clifford Schnauffer - 444-1B Edgar Rd. -Elizabeth, NY 07202-3344 wants to buy a two-foot loop and an RF FET loop booster, new or used.

From DWM Enterprises - 1709 N. West Avenu,e Suite 103 - Jackson, MI 49202, (517) 563-9022 comes announcement of their 'Tiny-Tenna Active All-Band

Antenna for \$19.95. Larry Miller reviewed it in the April, 1993 Monitoring Times. DWM will send you a complete catalog of products for an SASE.

Welcome to these new members ... Richard Johnson, Springfield, VA; Trevor Goodwin, St. John's, Antigua, West Indies; James Wilson, Rochester, NY; Tony Decillis, Pembioke Pines, FL; Stan Shedd, Calgary, Alberta; Louis W. Ehrlich, Randallstown, MD; Chet Copeland, Washington, D. C.; Allen F. Mattis, Houston, TX; Jerry H. Neves KA6POZ; Patrick Mullen VE3ALN, Burlington, Ontario; Andrew Burns, Wysox, PA; and Tom McCue, Allison Park, PA. We stand at 686 members as of May 23.

The May, 1993 edition of the Old Timers Bulletin (for Antique Wireless Association members) listed as "silent keys" Joseph Horvath, Murray Shapiro, Joe Szabat W3LST, and Clive Taylor VE3CL. I believe that all have been NRC members at one time or another if my memory serves correct. Our sincerest condolences to their families.

Remaining DXN Schedule, Volume 60

Deadline/Pub. Date # Deadline/Pub. Date June 18 June 28 29. Aug. 13 Aug. 23 July 16 July 26 | 30. Sept. 10 Sept. 20

### DX Time Machine

From the pages of DX News:

50 years ago ... from the May 19, 1943 DXN: Carroll Seth, Wellsville, NY sold his Hammarlund to the Navy for "a tidy sum". Al Bartholomew, Bradford, NY reported that of 39 reports sent during the past DX season, only XEQ, CMCH, HJCS, and WINC failed to verify, the first three probably because of war censorship.

25 years ago ... from the May 25, 1968 DXN: Several mentions were made of an article on NRC Supremacy Ratings (now IDXA) editor Norman L. Maguire in the May, 1968 CQ magazine.

10 years ago ... from the June 13, 1983 DXN: NRC dues were scheduled to go up from \$17 to \$19 for U. S. members ... Eric Bueneman took over the Bandscan column, listing scans from Mike Knitter, himself, and Guy Kudlemyer.

# AM Switch

Jerry Starr c/o WIIOT Radio 4040 Simon Road Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the PCC and listeners 

							A S. S. MPRETON DAMES	28-68-699-0010-0010-000-018-E-S-0-20-1
CALL	LETT	ER C	HANGES					
old (	call:		N	ew call:	01d cal1:	:	Ner	w call:
620	KCW	OR	Portland	KINK	1260 WQZ4	MT (	Dickgon	WDKN*
640	WJTZ	TN	Blountvill	MCXX.	1310 WBFI	) PA	Hedford	WAYC
740	WRPX	WI	Hudson	WMIN	1350 WBSF	( VA	Por tranouth	WSVY
1010	KKGZ	$\alpha$	Brush	KSTR	1460 WPR	V VA	Managene	WKDV*
1090	WGOC:	TN	Kingaport	WKCV	1480 KFMC	) NE	Lincoln	KMI:M
1110	WWRX	RI	E. Providen	re WITIM	1490 KJQ	TU Y	Ogden	KJOE
1230	KDZA	O	Pueblo	KKIYC	1520 WYCY	/ KY	Greenup	WIGC
1250	KKFX	WA	Seattle	KKDZ.	1600 WAYO	: PA	Bedford	WBFD
*Not	es: 1	WDKI	1:1260 neve	r used WQZ	Q, a call	req	uested while	the
							RW-1460 was :	
anno	unced	8.6	changing t	o WKDZ, no	w seems to	be	asking for !	WKDV,
or c	ou ld	be a	mother FCC	typo. We	have a mo	mit	or almost in	sight
of the	ke i r	towe	ers so we'l	l get the	story stra	aigh	t as soon as	they
			e air.					•

#### APPLICATIONS FOR NEW STATIONS

1580 NJ Hackettstown: 2500 D3 (application for facility now licensed to silent WSRR Washington, NJ) 1600 WA Blaine: 50000/5000 U4

#### GRANTS FOR NEW STATIONS None

APPLICATIONS FROM EXISTING FACILITIES P.O. Box 1070, Sarnia, Ontario N7T 7K5

## 550 WAYR FL Orange Park: add 260 watts at night

WCRN MA Cherry Valley: city of license to Worcester, MA powers to 7000/5000

980 KFWB CA Los Angeles: powers to 50000/50000 KCTY CA Salinas: day power to 10000

1130 KAAB AR Batesville: add 20 watts at night

WLIB NY New York: city of license to Yonkers (Why would 1190 they want to do this? See last issue for the story on the #1 criteria for moving to the expanded broadcast band, a city of over 100,000 population with no licensed stations. PRESTO! Yonkers is one of the very few cities meeting this parameter. We wonder who will be the first to notice that Jersey City, NJ also falls into this catagory?)

1230 WXLI GA Dublin: reduce powers to 700/700

1520 WXYB FL Indian Rocks Beach: reduce power to 600 watts, relocate transmitter site (station has been silent for more than several years, their old tower has been down for about as long)

1540 WPCR PA Philadelphia: city of license to Bala Cynwyd, PA, add 500 watts at night, antenna to U4

#### GRANTS TO EXISTING FACILITIES

WASG AL Atmore: day power to 25000

640 WLVJ FL Royal Palm Beach: changes in antenna system

WCAW WV Charleston: reduce daytime power to 10000, relocate transmitter site

KORC OR Waldport: add 10 watts at night

880	KKMC	CA	Gonzales: day power to 50000
890	WOQR	VA	Fairlawn: relocate transmitter site (new station not yet on the air)
930	KAGI	OR	Grants Pass: night power to 123 watts U1
950	CHER	NS	Sydney: antenna to U2
1030	KBUF	KS	Holcomb reduce day power to 1000 watts, antenna to U2
1040	WJHR	NJ	Flemington: relocate transmitter site (new, not on the air yet)
1150	WHBY	WI	Kimberly: construct auxiliary antenna
1200	KOQI	CA	Soquel: powers to 50000/11000, relocate
			transmitter site (new, not on air yet)
1230	WXLI	GA	
1280	KDYL	· UT	
			transmitter site
1300	KDOV	OR	Phoenix: day power to 20000
1340	WPBR.	FL	Palm Beach: relocate transmitter site
1450	KRZY	NM	Albuquerque: relocate transmitter site
1460	KENO	NV	Las Vegas: day power to 30000 watts, relocate
			transmitter site
1550	KQXI	$\infty$	Arvada: relocate transmitter site
1590	KXEM	CA	McFarland: to 750 kHz with 3000/600 U4, city of
			license to Bakersfield, CA.
1600	KRVA	TX	Cockrell Hill: change sychronous transmitter from
			N1 to U1

WKXB	TN	Smyrna: station is SILENT
CHYR	ON	Leamington: new FM station (96.7) scheduled to
		begin broadcasting 8-1-93, at that time CHYR-AM
		on both 710 and 730 kHz will shut down for good.
WJTO	ME	Bath: station now simulcasts programming from WLA
WVFN	ΜI	East Lansing: grant to add 500 watts at night has
		been rescinded by the FCC
KMMJ	NE	Grand Island: after running at night for a short period of time, KMMJ has again returned to the
		daytime-only mode for which they are licensed, no
		word as to exactly what was going on
WSMJ	KY	Cave City: license is CANCELLED, call DELETED
WPFD	TN	Fairview: station signs off at 5:00 PM (Central)
	CHYR WJTO WVFN KMMJ	CHYR ON WJTO ME WVFN MI KMMJ NE WSMJ KY

year round, even in months when they are permitted to operate longer hours, per station. 920 WTCW KY Whitesburg: silent due to fire, is ON THE AIR

WCNU FL Crestview: silent station has new owners and is 1010

expected to return to the air

WSSI MS Carthage: silent station is ON THE AIR

OTHERNESS

WLBB GA Carrollton: silent station is ON THE AIR

WAMG TN 1130 Gallatin: according to Ernie Ashworth (Grand Ole Opry performer and owner of this silent station) they plan to return to the air as soon as a new transmitter site can be found

WBND KY 1160 Florence: station is now here, ex-1180 kHz

1170 Bushnell: silent station is ON THE AIR

1190 Sun Prairie: silent station is ON THE AIR

Etowah: silent station is ON THE AIR (was back on 1220 for short time earlier this year, then went silent again)

1230 KKPC CO Pueblo: silent station is ON THE AIR WWSD FL Quincy: station is SILENT

	1240	KRAL	WY	Rawlings: station is SILENT
	1250	WRKQ	TN	Madisonville: silent station is ON THE AIR
		KKDZ	WA	Seattle: station is silent but their new calls
				(ex-KKFX) signal their return probably by the time
				this reaches you
	1270	WYAK	SC	Surfside Beach: silent station is ON THE AIR (had
				been off for transmitter repairs)
	1280	WSVE	FL	Jacksonville: station is SHENT
	1290	WDEC	GA	Americus: station is SHENT, call to the station
				reveals the owners have no plans to return it to
				the air, transmitter has been donated to local
				college
	1320	WWWT	VT	Randolph: if you've been hearing this station well
				at night, there's a reason, they were caught
				running their day power (1000 watts) at night
				(should be 66 watts) and the FCC fined them \$20,000
	1340	KDEN	00	Denver: station is SILENT
		CFYK1	NWT	Rae: this repeater of CHYK Yellowknife, NWT is
				SILENT (yes, that's right, we try to bring you ALL
				the BCB news!)
	1360	WHLP	MOD	Baltimore: station has already dropped their All
_				Help Wanted format, is presently running a MOYL
î	K			type format from a temporary studio in a garage (no
"	24 HOUR	SPANISH ?		fooling) and they are rumored to be ready to
_		1 - 10,000 Wa	atts	request a new call, WITH, as soon as the present WITH 1230 kHz changes to WKDH when they start their
	P.O. Box Tucson		702-1511	new Kids format
	1370	KTMG	$\infty$	Deer Trail: silent station is ON THE AIR
	1380	WMTD	WV	Hinton: station is SILENT (according to MSJ they
				lost their transmitter site)
	1400	WTXQ	AL	Andalusia: last issue we typo'd this call as
				"WTXO" in Otherness, they did not change calls
		WGTN	SC	Georgetown: silent station is ON THE AIR
	1410	WKKP	GA	McDonough: silent station is ON THE AIR
	1440	WWCL	$\mathbf{FL}$	Lehigh Acres: silent station is ON THE AIR
	1450	WLYV	IN	Fort Wayne: station is SILENT
		WCLM	VA	Highland Springs: station is SILENT
	1470	WPCN	NC	Plymouth: station is SILENT
	1480	KMEM	NE	Lincoln: silent station (ex-KFMQ) is scheduled to
				return to the air 6-1-93
	1490	KXRE	$\infty$	Manitou Springs: silent station is ON THE AIR and
				playing continuous Heavy Metal music without any
				announcements, even legal IDs, believed to be just
		WEOD	T37	testing prior to returning to regular programming
		WZOR	FL	Immokalee: silent station is ON THE AIR
	1500	KBRO	WA	Bremerton: silent station is ON THE AIR
	1500	WINE	TN	Trenton: station is SILENT, towers fell in a storm
				in late 1992 but they say they plan to return to the air "this summer" and will be on 1500 kHz with
				250 D2 their CD for 200 Mg is deed and more make
				250 D3, their CP for 890 kHz is dead and gone, make this change in your Log
	1530	KHAT	NE	Lincoln: station went SILENT at noon 4-30-93 and
	1330	MIMI	ME	will not return, transmitter land was sold to a
				developer, owner can't justify the expense of
				relocating to another site
		KCLR	TX	Ralls: silent station is ON THE AIR
	1550	WLOR	AL	Huntsville: silent station is ON THE AIR
	1560	WLJA	GA	Ellijay: silent station is ON THE AIR
	1580	WWOF	NC	Camp Lejeune: station was silent, returned to the
				air for a few weeks, then again SILENT on 5-6-93
				,

WDMF TN Knoxville: station is SILENT 1600 KORO TX Cuero: station is SILENT

Las Vegas: If you live in the west and noticed any unusual activity on this frequency, USA Digital was using 1660 kHz for on-the-air demonstrations at the NAB convention in late April. In addition to digital audio they also ran normal analog signals on this frequency. In an article in R&R USA Digital claims this signal was received across "many western states" so we'd like to hear from any NRCers who may have stumbled across this test.

THANKS!!!! Ron Musco, Al Merriman, Mike Hardester, Tom Bryant, Bill Hardy, Wayne Heinen, Bob McCoy, Gary Houdek, Dave Schmidt, Charles Harrison, MSJ and especially Steve Francis who generated much of the Silent/On the Air information above on an extensive tour of the south. All of Steve's information comes from direct monitoring and, in most cases, from visits to the stations.

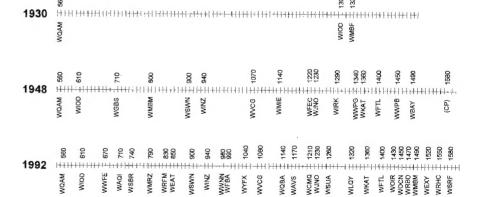
WOW!! I can't remember the last time we had a four-pager, lots of stuff going on. Keep those cards and letters coming in, folks. FLASH! Chuck Reh says that CHYR is now ND 24 hrs. on 710, no longer on 730.

73 and Good DX Stry & BKF Jerry Starr & Buffalo K. Foonman

# Now and Then John D. Bowker

Dial changes in AM markets, from 1930 to 1948 to 1992

#### MIAMI / FT LAUDERDALE MARKET (INCLUDES WEST PALM BEACH)



# For Beginners ...

the world of DX'ing can be confusing. And that's why Jack Woods' column, "For Beginners", was created. If you have a DX question, just mail it to Jack at P. O. Box 1003 - Waldport, OR 97394-0514, and he'll answer it in a future column. Remember - you're not alone - we all started at the beginning - once!

# Domestic DX Digest

North: Bill Hale

495 Creekview Drive - Meridian, ID 83642-3241

South: Duncan Shaw

2618 Ellendale Place, #3 - Los Angeles, CA 90007

**East: Dave Braun** 

11 Mill Bend Acres - Wyoming, DE 19934-9523

DX Catches in the U.S. and Canada, with 24-br. ELT

### DDXD-North



## MEDIUM WAVE RAMBLINGS



-DDXD-N

DDXD-S

- Welcome aboard new reporters Gary Moon of Columbus, Ohio, Bart Cronin from Edmonds, Washington and Frank Aden of Boise, Idaho!! Glad to have you guys in our DX family. Report more, and often. Gary mentions he's looking for an R-390A in mint condition. Got one? Write to him at 2668 Halstock Ct. Columbus, OH 43235.
- Thanks to a tip from John Johnson (CDXR editor for IRCA) to try for it, I was able to log the experimental Digital Audio Demonstration station from Las Vegas on 1660. We editors have to stick together, you know. Details in SPECIAL, along with another tip from John. And the mailbox also produced results from others who heard this test, plus a new Grove catalog!

  Another plea from the editor ... PLEASE, put your loggings in frequency order broken into the categories seen here. That means 610 before 950, before 1430, before 1510, etc. etc. etc.
- Sorry to have to harp on this same subject over and over, but some reporters, as in the words of a campaigning politician, ... just don't get it.

  Here are the remaining deadlines for DDXD-N for Volume 60, which in one of these issues (the

real, hi) Graveyard Totals will appear. wow yours in pronto!

 Issue 27
 Jun 12
 Issue 29
 Aug 7

 Issue 28
 Jul 10
 Issue 30
 Sep 4

CUN June!

KKAA

P.O. Box 1770 Aberdeen, SD 57402-1770

REALLY SPECIAL

1660 KDAB

NV Las Vegas - 4/18 0730 - Digital test in conjunction with the NAB Convention run by <u>USA Digital Radio</u>. Signal is S-5 or S-6. Playing oldies and some POP. Announcements between songs refer to manufacturers and suppliers of digital products and their booth numbers at the convention. Announced they are using facilities of KENO-1460 and test was also on 97.1 FM. No experimental CLs heard. 1st logging in expanded band. Wish I could pick it up in digital. (BC-WA)

KDAB

NV Las Vegas - 4/18 2330 - Running light ROK (old & new) + some C&W. Several announcements for sponsors of DAB plus their booth numbers. Report (tape) sent to KENO asking them to forward to proper individuals. (FA-ID)

KDAB

NV Las Vegas - 4/18-20 all night to 0830 fadeout - Demonstration station put on by <u>USA Digital Radio</u> at NAB Convention. Fair signal (4-7 dots) on the -2010, then fairly good in car going to work. No \$ noted. Programming consisted of plugs for the system, with announcements for participating companies and their convention booth numbers between primarily oldies, with some C&W thrown in. No idea as to power or other radiation data. Gone by Thursday 4/22. Maybe one of our members who is in the industry and was in attendance will fill in the many blanks. [Ed.-ID]



1140 KXNO NV North Las Vegas - Now using this call and Casino Radio slogan.

Can best be described as a TIS for Vegas. Also heard: Give us 20 minutes and we'll give you Las Vegas. Back-to-back segments on Vegas and area events.

Also headliners at various casinos. ID Casino Radio is KXNO North Las Vegas. 1140. Casino Radio. (IJ-MT)

1240 KMAY MT Billings - As per CL change to this in last AM Switch, they are IDing as KUUS is KMAY Billings. Station was bought by a local broadcast school, May Technical College. (IJ-MT) [No telling what you'll there, now, hi - Ed.]

1330 WFIN OH Findlay - Drops Stereo after six years. (JL-OH)

1430 WFOB OH Fostoria - Added Stereo just recently and now IDs as AM Stereo 1430, WFOB Fostoria - Bowling Green. (JL-OH)

1600 WBFD PA

PA Bedford - 4/15 1930 - Fair in CHNR null with Take Pride in America PSA, program annets, ID as 1600 WBFD Bedford, Pennsylvania ⇒ GOS music. A call to WAYC, the Bedford station listed on the channel, cleared up the mystery. Apparently, WAYC and WBFD swapped frequencies about 4/8. WAYC is now on 1310. (MS-ON)



## UNIDs and UNID HELP

1370 KCCO?

WVHI

?? - 4/23 0757-0801 - Out of a C&W tune into We're glad you're here, KCCO Springfield ⇒ CBS News and fadeout, Can't match CLs, city or nuttin'. May have been an FM ID. KPCO, maybe. But Springfield? Help! [Ed.-ID\*]

## DX AND EQUIPMENT TESTS

1330 WVHI IN Evansville - 4/19 0119 - Good with VID at 0119, TT at 0120, 0124,

WVHI

New. (SA-MB) [Shawn, this is correct state - Ed.]

WVHI

New. (SA-MB) [Shawn, this is correct state - Ed.]

New. (SA-MB) [Shawn, this is correct state - Ed.]

IN Evansyille - 4/19 0100-0200 - Started weak under WFBC, with TTs of varying pitch from 0107 to 0118, then a power boost allowed them to dominate the frequency. VID and a test announcement ⇒ varying TTs ⇒ VID with announcement at 0148 that they would continue the test for another 30 to 60

minutes ⇒ eclectic mix of BBD, C&W and GOS music. (JL-OH)

IN Evansville - 4/19 0118-0200 - Fair over pest WEYZ with DX Test. Noted variety of TTs, then ID at 0148: This is WVHI Evansville, Indiana at 1330 on the AM dial, serving the entire tri-state area, making special frequency response and programming tests at this time  $\Rightarrow$  an instrumental version of When The Saints Go Marching In. Other IDs noted at 0152 and 0156 followed by various MoR tunes. (MB-ON)

### MIDNIGHT TO 0800 HOURS ELT

590 KAQQ WA Spokane - 4/25 0650 - Good with NOS music and KAQQ Spokane ID. (SA-DX)

630 WLAP KY Lexington - 4/20 0015 - Fair with National Town Forum, Ad for Gunweek. (TR-IL)

640 KFI CA Los Angeles - 4/25 0620 - Good with talk program. Lots of KFI IDs. In CKRC splatter. (SA-DX)

670 KBOI ID Boise - 4/25 0655 - Clear with oldies, in CJOB splatter + WMAQ. (SA-DX)

740 CHCM NF Marystown - 4/4 0312 - Poor with CBL off. Heard rundown of NHL scores on Newfoundland's sports authority, VOCM ⇒ Don McLean's American Pie and other oldie standards | VOCM-590. Heard in 1984 as CBNM with CBS programming. (MB-ON)

760 WJR MI Detroit - 4/20 0010 - Fair with talk about the Waco cult standoff aftermath on ABC Nightline, (TR-IL)

770 WABC NY New York - 4/20 0007 - Fair in WBBM Splash with ad for Amoco Ultimate. Yankees vs A's MLB. (TR-IL)

^			
8	810	WGY	NY Schenectady - 4/20 0005 - Fair with Dr. Joy Brown is here to help on Radio 810, WGY. (TR-IL)
!	900	KBIF	CA Fresno - 5/11 0745-0803 - Running Sports Entertainment Network feed KVEG/others. Unistar News at 0800 after KBIF Fresno ID. Change from
I	060	WHFB	SS as in Log. First-timer. [EdID*]  MI Benton Harbor - 4/3 0615 - Fair with NOS/BBD music. Central Coast  Original Hits Station, AM 1060 WHFB. It's 20 minutes after 6 O'Clock. New.
1	180	WLDS	(SA-MB)  IL Jacksonville - 4/4 0704 - Fair with 1180 Radio WLDS weather into
1	220	WKNR	EZL music + now CBS News. (SA-MB)  OH Cleveland - 4/18 0102 - Fair to poor with CBS News, WKNR Color Radar Weather, and Sports Radio 1220 WKNR ID. Insomniac Sports Show.
			(TR-IL)
1	250	КНОТ	CA Madera - 5/5 0557 - Fair with SS music and talking. ID with two place names, the second being <i>Fresno</i> . After hearing to ID several times am not sure of the first. It may be <i>Madera</i> . KKFX Seattle off. (JW-OR)
		KTMS	CA Santa Barbara - 5/2 0655-0700 - Poor under SS music with SS music,
1	260	WIBV	ID, Santa Barbara ads and into CNN News, First-timer. (JW-OR)  IL Belleville - 4/18 0057 - Fair to very poor with call-in show re Rodney
_		******	King verdict on MBS. You're listening to Hot Talk WIBV Belleville-St. Louis ID. MBS News. Infrequent logging. (TR-IL)
1	320	WJAS	PA Pittsburgh - 4/18 0050 - With Music of Your Life, 1320 WIAS ID. Infrequent logging. (TR-IL)
1	330	KWLO	1A Waterloo - 4/19 0100 - Very poor with CL ID, under KNOW while
	380	WMPS	waiting for the WVHI test. New, (SÂ-MB)  TN Millington - 4/6 0650 - Poor with GOS music, CL ID. In a mess.
	360	WINTER	TN Millington - 4/6 0650 - Poor with GOS music, CL ID. In a mess. New. (SA-MB)
I	Nί	GKA	
•		•	0800 TO 1600 HOURS ELT
	P.O 1	BOX 52128 GEORGIA 3035	0800 TO 1600 HOURS ELT
ATL.	P.O 1	BOX 52128	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent
ATL.	P.O. I ANTA,	BOX 52128 GEORGIA 3035	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and
ATL.	P.O I ANTA, (	BOX 52128 GEORGIA 3035 KFAM	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)
ATL.	P.O I ANTA. 700 240 060	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 \( \Rightarrow \text{talk} \) about being a good listener. First time heard. (JW-OR)
ATL.	P.O I ANTA, 4 700 240	BOX 52128 GEORGIA 3035 KFAM WMIX	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID,
ATL. 5	P.O I ANTA. 700 240 060	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex
ATL.	P.O. I ANTA, 1 700 240 060	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)
ATL. 7	P.O. I ANTA, 6 700 040 060 080 120	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at:30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)
ATL. 7	P.O. I ANTA, 6 700 240 060 080	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive
5 10 10 11 11 11 11 11 11 11 11 11 11 11	P.O I ANTA, 3 700 040 060 080 120 130	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN KUJ	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard) ⇒ unID network news (may have been Ac). New. [EdID]
5 10 10 11 11 11 11 11 11 11 11 11 11 11	P.O. I ANTA, 6 700 040 060 080 120	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard)
5 10 10 11 11 11 11 11 11 11 11 11 11 11	P.O I ANTA, 3 700 040 060 080 120 130	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN KUJ	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard) ⇒ unID network news (may have been Ac). New. [EdID]
ATLL 57 5 10 11 11 11 11 11 11 11 11 11 11 11 11	P.O I ANTA, 3 700 040 060 080 120 130	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN KUJ	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard) ⇒ unID network news (may have been Ac). New. [EdID]  OH Cincinnati - 4/13 0913 - Fair with Newstalk WCKY ID. (TR-IL)
ATLL 5 5 5 10 10 10 11 11 11 11 11 11 11 11 11 11	P.O. I P.	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN KUJ WCKY	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard) ⇒ unID network news (may have been Ac). New. [EdID]  OH Cincinnati - 4/13 0913 - Fair with Newstalk WCKY ID. (TR-IL)  PA Sharon - 4/15 2023 - Fair with PSA mentioning WPIC asks you to help. Promos for various programs on 790 WPIC. (MS-ON)
5 10 10 11 11 11 11 11 11 11 11 11 11 11	P.O. 1 ANTA, 9700 940 960 980 1120 1130 1420	BOX 52128 GEORGIA 3035 KFAM WMIX KBGN KSCO KMOX WISN KUJ	UT North Salt Lake City - 5/1 1600 - With MoYL format. Excellent signal. First daylight reception. (FA-ID)  IL Mount Vernon - 4/13 0830 - Poor with WJPC splash with state and local weather, Mount Vernon temperature. New. (TR-IL)  ID Caldwell - 5/6 0922-0930 - Good with contemporary religious music, ID at :30 ⇒ talk about being a good listener. First time heard. (JW-OR)  CA Santa Cruz - 5/6 0935 - Fair to poor under KWJJ Portland with ID, promo for local hospital, request for blood donations. (JW-OR)  MO St. Louis - 4/13 0917 - Good signal with KMOX Sports, ad for Mirex Copy Company, a tribute to Missouri Nurses, traffic report. (TR-IL)  WI Milwaukee - 4/13 0930 - With traffic report, weather, story on positive programs for blacks in Milwaukee, update on water crisis. (TR-IL)  WA Walla Walla - 5/15 0857-0900:10 - Poor with end of Grazin' In The Grass by Friends of Distinction, quick Your oldies station, KUJ (no city heard) ⇒ unID network news (may have been Ac). New. [Ed-ID]  OH Cincinnati - 4/13 0913 - Fair with Newstalk WCKY ID. (TR-IL)  PA Sharon - 4/15 2023 - Fair with PSA mentioning WPIC asks you to help.

800	CKLW	ON Windsor - 4/19 2118 - Fair to poor with call-in show about Are you
		getting enough sex? (TR-IL)
830	WCCO	MN Minneapolis - 4/19 2121 - Good with Twing vs Brewers MLB. (TR-IL)
850	KOA	CO Denver - 4/19 2133 - Poor with Rockies vs Cardinals MLB. (TR-IL)
900	CHML	ON Hamilton - 4/19 2137 - Poor in WLS splash with KC Royals vs Blue
		Jays MLB. (TR-IL)
920	CFRY	MB Portage la Prairie - 4/24 2247 - Excellent with polka, C&W, old-tyme
		fiddle music. (SA-DX)
990	CBW	MB Winnipeg - 4/19 2145 - Poor in WLUP splash with discussion about
		publisher's and their editorial policies for the comics. (TR-IL)
1030	KBUF	KS Holcomb - 4/14 2055 - Good with several KBUF IDs during Colorado
		Rockies baseball (SA-MB)

Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)			
1120   KMOX   MO   St. Louis - 4/19 2157 - Fair with talk about the sale of a racing team and NASCAR racing on Motor Racing Net. (TR-IL)	1110	WKRA	
1140 WRVA    A Richmond - 4/19 2157 - Fair with talk about the sale of a racing team and NASCAR racing on Motor Racing Net. (TR-IL)  1180 WHAM    NY    Rochester - 4/19 2159 - Fair with WHAM. Rochester's News Leader - CBS News. (TR-IL)  1250 WEMP    CHWO    ON    OR    Okaville - 4/19 2250 - Fair with ID. (GM-OH)  CHWO    ON    Okaville - 4/19 2201 - Fading signal + static. Broadcast News, then sports. (GM-OH)  WHBL    WI    Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  OH    Toledo - 4/19 2211 - Fair with adf for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL    ND    Grand Forks - 4/24 1933 - Good w/th April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA    MO    Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 tradio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex. KIDZ. (SA-MB)  1530 WCKY    OH    Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Hame Alone couple. (TR-IL)  1550 CBE    ON    Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1560 WRDD    KCNN    MN    East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD    WV    Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning his of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  REPORTERS  BC-WA    Bart Cronin Edmonds, WA; HQ-160    Gary Moon Columbus, OH; Sony ICF-2010    RL 2, Box 10c    RR 1, 2, Box 10c    RR 1	1120	KMOX	
and NASCAR racing on Motor Racing Net. (TR-IL)  WHAM NY Rochester - 4/19 2159 - Fair with WHAM. Rochester's News Leader - CBS News. (TR-IL)  1250 WEMP WI Milwaukee - 4/19 2250 - Fair with ID. (GM-OH)  CHWO ON Qakville - 4/19 2301 - Fading signal + static. Broadcast News, then sports. (GM-OH)  1330 WFBC SC Greenville - 4/13 2222-2241 - Tail-end of Brayes vs Cubs on Braves Network. Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH)  WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Monning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to			
CBS News. (TR-IL) CHWO WI Milwaukee - 4/19 2250 - Fair with ID. (GM-OH) CHWO ON Oakville - 4/19 2201 - Fading signal + static. Broadcast News, then sports. (GM-OH)  1330 WFBC SC Greenville - 4/13 2222-2241 - Tail-end of Brayes vs Cubs on Braves Network. Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH) WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Moming program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2. radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex. KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Bbensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN Bast Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jest Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBDD WW Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  17-11 John Johnson Billings, MT; via Prodigy  18-20 on about 500' south and west beverages  18-20 on Fair Alpha Booker Toronto, ON; Panasonic RF-2000 on Sony ICF-7600D  18-20 MB-ON  18-20 MB-ON  18-20 Frank Ade Boise, ID; Modiffed FRG-7 + MW-1	1140	WKVA	and NASCAR racing on Motor Racing Net. (TR-IL)
1250 WEMP CHWO ON Oakville - 4/19 2250 - Fair with ID. (GM-OH) ON Oakville - 4/19 2301 - Fading signal + static. Broadcast News, then sports. (GM-OH)  1330 WFBC SC Greenville - 4/13 2222-2241 - Tail-end of Braves vs Cubs on Braves Network. Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH) WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavalicts. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 15/10 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1550 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD W Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  1600 WBBD W Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  1701 MB-DN Manitoba DX-Pedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  1702 JL-OH Mike Brooker Toronto, ON; Panasonic RF-5000A, TM-152  1703 MG-NOW MIRE Brooker Toronto, ON; Panasonic RF-5000A, TM-152  1704 MG-NOW MIRE Brooker Toronto, ON; Panasonic RF-2000 or Sony ICF-7600D  1705 MG-NOW MIRE Broo	1180	WHAM	
CHWO ON Gakville - 4/19 2301 - Fading signal + static. Broadcast News, then sports. (GM-OH)  WFBC SC Greenville - 4/13 2222-2241 - Tail-end of Brayes vs Cubs on Braves Network. Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH)  WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 316-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Hame Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hin of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 44 box loop or 100' lw Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  IL-OH Mice Brooker Toronto, ON; Panasonic RF-5000A, TM-152  MB-ON Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Ade Boise, ID; Modified FRG-7 + MW-1	1250	WEMP	
Network. Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH)  WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Hame Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Lets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  REPORTERS  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10c  Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  JL-OH Mike Brooker Toronto, ON; Panasonic RF-2000 or Sony ICF-7600D  MS-ON Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  JW-OR Frank Aden Boise, ID; Modified FRG-7 + MW-1	1200		ON Oakville - 4/19 2301 - Fading signal + static. Broadcast News, then
Network Local ads including ones for B-B's Hamburgers and Parker Hardwar (GM-OH)  WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg lets Hockey. About a one-second delay behind, and running different ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning his of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  REPORTERS  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2003 (x3) Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy  SA-MB Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  JL-OH Mike Brooker Toronto, ON; Panasonic RF-2000 or Sony ICF-7600D Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  JW-OR Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Aden Boise, ID; Modified FRG-7 + MW-1	1220	WEDG	
WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  1370 WSPD OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebenaburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA Gary Moon Columbus, OH; Sony ICF-2010  TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3)  Houston, MS-38851  John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  IL-OH Jeffrey Less Toledo, OH; Panasonic RF-2000A, TM-152  MB-ON Mike Brooker Toronto, ON; Panasonic RF-2000 or Sony ICF-7600D Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  JW-OR Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Aden Boise, ID; Modified FRG-7 + MW-1	1330	WLDC	
WHBL WI Sheboygan - 4/24 1940 - Good w/NOS music & WHBL ID. (SA-DX)  OH Toledo - 4/19 2211 - Fair with ad for SportsChannel and Cleveland Cavaliers. (TR-IL)  1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Moming program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN M East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  REPORTERS  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3) Houston, MS 38851  John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  Jeffrey Less Toledo, OH; Panasonic RF-2000, TM-152  Jeffrey Less Toledo, OH; Panasonic RF-2000 or Sony ICF-7600D  MS-ON Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Aden Boise, ID; Modified FRG-7 + MW-1			
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Cavaliers. (TR-IL)  ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA  MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 15/10 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY  OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE  ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD  PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN  MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA  Bart Cronin Edmonds, WA; HQ-160  GM-OH  Gary Moon Columbus, OH; Sony ICF-2010  RR. 2, Box 10C  Houston, MS 38851  John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  Jeffrey Less Toledo, OH; Panasonic RF-2000, TM-152  MB-ON  Mike Brooker Toronto, ON; Panasonic RF-2000 or Sony ICF-7600D  MS-ON  Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop  Frank Aden Boise, ID; Modified FRG-7 + MW-1	1270		
1440 KKXL ND Grand Forks - 4/24 1933 - Good with April 19th Country in the Morning program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number 816-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running different ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with 1D mentioning hind of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10C  TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3) Houston, MS 38851  John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  IL-OH Meron Jack Woods Waldport, OR; Panasonic RF-2000 or Sony ICF-7600D  MS-ON Morris Sorensen Scarborough, ON; GE Superadio II "barefoot"  JW-OR Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop  Frank Aden Boise, ID; Modified FRG-7 + MW-1	1370	MOLD	
Moming program with Double K Country IDs, weather. Somebody realized boo-boo after three minutes and back to DJ. (SA-DX)  1510 KJLA MO Independence - 4/13 2050 - Fair with NOS music and You're tuned to 2 radio station for great music, 1510 KJLA. Sign-off at 2059. New phone number \$16-254-1073. Ex: KIDZ. (SA-MB)  1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running different ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10C Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy  Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw Ms-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  IL-OH Jeffrey Less Toledo, OH; Panasonic RF-5000A, TM-152  MB-ON Mike Brooker Toronto, ON; Panasonic RF-5000A, TM-152  MB-ON Morris Sorensen Scarborough, ON; GE Superadio II "barefoot" Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Aden Boise, ID; Modified FRG-7 + MW-1	1.440	UUVI	
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1530 WCKY OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the Hame Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10C TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3) Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy SA-MB Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  JL-OH Jeffrey Less Toledo, OH; Panasonic RF-5000A, TM-152 MB-ON Mike Brooker Toronto, ON; Panasonic RF-2200 or Sony ICF-7600D MS-ON Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop Frank Aden Boise, ID; Modified FRG-7 + MW-I			number 816-254-1073 Ex: KIDZ. (SA-MB)
Home Alone couple. (TR-IL)  1550 CBE ON Windsor - 4/19 2205 - Poor with CBC Sports. (TR-IL)  1580 WRDD PA Ebensburg - 4/16 2000 - Good with dual sign-off for WRDD-1580 and WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter. The best in Christian programming. (MS-ON)  1590 KCNN MN East Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10C  TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3) Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy  SA-MB Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  JL-OH Jeffrey Less Toledo, OH; Panasonic RF-5000A, TM-152  MB-ON Mike Brooker Toronto, ON; Panasonic RF-2200 or Sony ICF-7600D  MS-ON Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop  FR-ID Frank Aden Boise, ID; Modified FRG-7 + MW-1	1530	WCKY	OH Cincinnati - 4/19 2207 - Fair with Gil Gross Show and talk about the
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WNCC-950 mentioning 1000 watts for the former and 500 watts for the latter.  The best in Christian programming. (MS-ON)  1590 KCNN MN Bast Grand Forks - 4/13 2102 - Excellent with re-broadcast of CJOB's Winnipeg Jets Hockey. About a one-second delay behind, and running differen ads than, CJOB. (SA-MB)  1600 WBBD WV Wheeling - 4/15 2005 - Fair in CHNR null with ID mentioning hit of the 40s, 50, and 60s on AM 1600 WBBD. (MS-ON)  BC-WA Bart Cronin Edmonds, WA; HQ-160  GM-OH Gary Moon Columbus, OH; Sony ICF-2010 Rt. 2, Box 10C  TR-IL Thomas Reiser Chicago, IL; Sony ICF-2003 (x3) Houston, MS 38851  JJ-MT John Johnson Billings, MT; via Prodigy  SA-MB Shawn Axelrod Winnipeg, MB; ICOM R-70 + 4' box loop or 100' lw  MB-DX Manitoba DXPedition (Shawn Axelrod) Valhalla Beach DX Site, MB; ICOM R-70 on about 500' south and west beverages  JL-OH Jeffrey Less Toledo, OH; Panasonic RF-5000A, TM-152  MB-ON Mike Brooker Toronto, ON; Panasonic RF-2200 or Sony ICF-7600D  MS-ON Jack Woods Waldport, OR; ICF-2010, Martens loop, Palomar loop  Frank Aden Boise, ID; Modified FRG-7 + MW-1			
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	EdII	) Edi	tor Meridian, ID; Sony ICF-2010 barefoot* and Delco AM\$/FM\$ caradio

Decatur - 4/19 2153 - Poor with Houston Astros vs Chicago Cubs

1050 WDZ

MLB. (TR-IL)

### ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD - North

| | :parallel with/to ⇒ :to or into :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English FF:French GOS:gospel IRN:Interstate Radio Net LSR:local sunrise LSS:local sunset MLB: Major League Baseball NBA:National Basketball Assn NHL:National Hockey League NPR:National Public Radio OC:open carrier POL: political PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference QRN:natural interference QTH:location REL:religious ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International

WBGG

### **DDXD-East**

### NEWS AND VIEWS

This issue Shawn Axelrod crosses the border to help with a recent UNID, and Alan Millmaker also comes to DDXD-East land to help with an UNID.

Laurence Kearley sent along the results of three hours of DXing from Halifax, Nova Scotia which I have compiled into one bandscan at the end of the column.

Bob Gilfert mentions that their baby has been sleeping better than expected, so he has had no late night DX fests as was expected. Bob also called on 5/14 with a Special item on WPRW. Read on for details.

And a big welcome to first time reporter Walter Windish from Wayne, New Jersey. Hope to hear from you often!

In addition to the UNIDs listed below, I have been hearing NY Yankees baseball on 1340 and 1400, can anyone help with these? The Yankees were also heard on WEOK-1390.

Upcoming deadlines through the summer are June 12, July 10, August 7 and September 4. Remember to check your locals during the summer months and report any changes to the appropriate NRC column!

#### SPECIAL

listed as 200 watts with a PSRA of 70 watts. (LK-ON)

NY Saratoga Springs - 4/25 0600 - With ID as WBUG Amsterdam, ?? FM, and

WBGG Saratoga Springs, The Bug" and into a CW song Guitars and Cadillacs. It

was fighting a losing battle with CHML and others which is not surprising as it's

1110	WHIM	RI East Providence - 5/8 2110 - Good with CW music, WHIM IDs, and RI lottery					
		numbers. Ex-WWRX "1110-CNN". (BC-NH)					
1460	WCMB	PA Harrisburg - 5/9 0100 - Noted with change back to old calls, ex-WIMX. (DB-DE)					
	WPRW	VA Manassas - 4/20 - Is indeed still silent, however 5 or 6 months ago they were on one evening for an hour or so playing CW music. Drying out transmitter I guess. It's possible they were on again 3/22 as reported by IM-NY in DXN 60-24. The evening I heard them it was around 1930. (AM-VA)					
	WKDZ?	VA Manassas - 5/14 Noted back on the air with kids format, fighting WOL slop. No ID heard. (BG-DC)					
1470	WWWM?	OH Toledo - 5/6 2157 - Heard PSA for learn to read program sponsored by the State of Ohio and then an ID as "Toledo's new magic 1470." In very briefly under CHOW					
1480	WSAR	and others. (JB-MA)  MA Fall River - 5/1 2009 - Playing oldies music and then an ID as "WHTB Home Town Bill" and mentioned using 1400 and 1480. I tuned to 1400 and sure enough the same guy was there too. (JB-MA)					
1590	WEEB	NC Southern Pines(?) - 4/26 0059 - Heard with station ID, affiliated stations mentioned. ID as "Newstalk radio, WEEB, 1590, covering central Carolina." #17 heard from NC. (LGW-NC) (Can anyone tell us which NC station this is? - db)					
		DX TESTS					
1280	WCPM	KY Cumberland - 4/1 - Thought it was an April Fools gag and slept through it. (BG-DC)					
1330	WVHI	IN Evansville - 4/19 0315-0400 - Not heard. (BG-DC) KEN AM 1170					
		UNID AND UNID HELP					
690	CBKF1	SK Gravelbourg - JEK-MD's UNID has to be this if he got FF over CBF as these are the only two FF Canadian stations on 690. CBKF1 is a big pest here when you can null CJOB-680 so they have a south and east lobe of some sort. They are sometimes especially late night //CKSB-1050. If JEK still has a tape I'd give a listen for him. My French isn't perfect but (SA-MB)					
870	UNID	4/24 0706 - Under WLAM with SS talk then what sounded like SS polka music, if there is such a thing. Loop was WSW/ENE. Under WHCU. (LK-ON)					
880	UNID	5/11 0100+ - CW music barely audible under WCBS for several hours. Gave up trying for an ID at 0430. DF was NE/SW, (BG-DC)					
890	UNID	4/24 0712 - In WLS null (I've never heard even the slightest thing here except for WLS) with a religious song, a very long one called "God is Good" which sounded like part of a concert due to background noise and talk. Very weak with total fade by 0725. (LK-ON)					

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(Probably WGBI, Scranton's AAA team is the Red Barons - db)
                    4/28 2200 - Baltimore vs. Minnesota baseball game. Believe it was an Orioles
   910 UNID
                    network station. (JB-MA) (WSBA-York, PA - db)
   940 WMIX
                    IL Mount Vernon - Bob Gilfert's UNID in the May 3 issue is most likely WMIX.
                    They carry St. Louis Blues and St. Louis Cardinals. Their antenna pattern of the
                    night time site goes to the east. I used to be an assistant engineer of the night time
                    site when it came on the air. I was also a DJ at WMIX until the 1980's. My dad is
                    part time engineer there now, (AM-IL)
                    5/10 0546 - Someone with SEN sports //WLKW-960, (DB-DE)
  1010 UNID
  1260 UNID
                    5/15 2347 - FF talk heard herein a mess with WWDC and a couple of others. (DB-
  1300 UNID
                    4/7 2030 - Call in program with "The Greaseman" as the host, (JB-MA) (WJFK-MD
                    on the same net, I think, as Howard Stern - db)
  1300 UNID
                    5/6 2028 - Metallica tune briefly up over WJFK, gone by 2031. In car so no DF,
                    WOPM? (BG-DC)
                    4/23 0105 - Tentative sign off with SSB. Several candidates. Anyone know who plays
  1420 UNID
                    SSB at sign off? (BG-DC)
                 KWHL 106.5
KFQ.D 750 AM
                                     0000 to 0800 ELT
                    IA Cedar Rapids - 4/24 0528 - With "coming up right here on 600, WMT" and an
   600 WMT
                    ad for a game called "Uh. Oh" followed by the weather and a further ID. In null of
                     WICC with no CIOC in sight. (LK-ON)
                    FI. Miami - 4/21 0527+ - Good, possibly news in Spanish with mentions of David
   670 WWFE
                    Koresh, Waco, Texas and CNN, "Radio Fe" IDs at 0527 and 0529. (BG-DC)
                    PI Charlottetown - 5/8 0247 - Poor under WGN with oldies. First time heard since
   720 CHTN
                    move to DC. (BG-DC)
        WVNE
                    MA Leicester - 4/24 0600 - With USA network news then call ID and weather and
   760
                    a religious song. In null of WJR. (LK-ON)
   820 WIOT
                    NY Horseheads - 4/24 0615 - With "the OT countdown" of CW music in the null
                     of CHAM. Call, Unistar network and city ID at 0657. Severe fade. (LK-ON)
         WNYC
                    NY New York - 4/24 0629 - While checking out the above, got a brief fade-up with
                     ID of "WNYC" and "This is NPR, National Public Radio" then complete fade. In
                    null of CHAM. (LK-ON)
   830 CFJR
                     ON Brockville - 4/18 0200 - Heard with end of CBC news and "Coast to Coast" ID.
                     (LGW-NY)
                     NY Ithaca - 4/24 0706 - With ID as "News Radio" which sounds like a format
   870
        WHCU
                     change, (LK-ON)
        CHML
                     ON Hamilton - 5/1 0000 - Classic rock, news, sports, "Classic Oldies 900 CHML."
   900
                     (WW-NJ)
   910 WNEZ
                     CT New Britain - 4/25 0019 - ID over mess into CNN sports, probably also the one
                     heard earlier with CNN Headline News. (DB-DE)
   940 WINZ
                     FL Miami - 4/7 0030 - In with local weathercast, under CBM. (LGW-NY)
         WMIX
                     IL Mt. Vernon - 4/26 0230 - Promo for Larry King Show weekdays on "AM 940
                     WMIX", into Jim Bohannon Show, (ES-NJ)
   990 WRMM
                     NY Rochester - 5/1 0032 - Rock music, commercials for Classic Cat Cavern and a
                     Tuxedo shop, interference from CKIS, (WW-NJ)
         CKIS
                     PQ Montreal - 4/11 0300 - Heard with rock music. IDs after each song, over and
                     under WZZD. (LGW-NY)
         CKIS
                     PQ Montreal - 5/1 0026 - "Oldies 990 KIS, Montreal", PSA for AIDS Saturday on
                     May 15. (WW-NJ)
   1000 CKBW
                    NS Bridgewater - 4/11 0235 - In all alone with local weathercast. Good clear
                     signal. Nice bet for Nova Scotia. (LGW-NY)
   1150 WHUN
                     PA Huntingdon - 4/26 0245 - With CW music, "WHUN, great songs from the past
                     and today's hot new country", AN now? (ES-NJ)
                     NY Rochester - 4/26 0200-0300+ - Noted with OC and TT. (ES-NJ)
   1180 WHAM
   1220 WKMT
                     NC Kings Mountain - 5/10 0525 - CW music on top of frequency, local announcer
                     with ID, on 500 watt PSRA? (DB-DE)
         WJUN
                     PA Mexico - 5/3 0605 - End of the news and then the "Radio Pennsylvania weather
                     forecast." Also on 5/4 at 0615, end of a Beach Boys song and "It's always better at
                     WJUN." Fair in a jumble of others. New here. (JB-MA)
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4/28 2120 - Red Barons baseball on the "Red Barons baseball network." Commercial

ads for Thrift Auto Body, Insurance Brokers of? and a Recycling company. (JB-MA)

910 UNID

- PA Pittsburgh 4/21 0125+ Poor under UNID NOS, call letter ID and into UNID 1250 WTAE news at 0130. (BG-DC) 1280 WKST PA New Castle - 5/1 0755 - News then PSA "brought to you by the Drug Free Partnership of Pennsylvania", ID. (DB-DE) CJMS PQ Montreal - 5/12 0444+ - Lots of fades but excellent on peaks. EE and FF music, FF talk about baseball, call letter sung ID at 0500 and into FF news. (BG-DC) 1290 WNLB VA Rocky Mount - 5/1 0720 - Over a talk station in WIBR null with "Solid Gosnel WNLB", (DB-DE) 1300 WKCY VA Harrisonburg - 5/5 0613-0619 - Station promotion with local restaurant, WKCY mentioned 4-5 times and then into CW music. Mostly over WJFK and new here, (JB-MA) 1310 WSLW WV White Sulphur Springs - 5/1 0748 - Marvin Gave oldie, ad for Jeep dealer in Lewisburg, ID, DJ mentioned weather coming up "brought to you by the Bank of? in White Sulphur Springs", (DB-DE) 1330 WEBO NY Owego - 4/27 0615 - Heard playing CW music and several mentions of Owego and Binghamton with 2-3 IDs. In quite well at times. New here, (JB-MA) 1350 WNVA VA Norton - 5/1 0706 - Good with mention of? County then ID. (DB-DE) OH Cleveland - 4/21 Poor with "WHK Cleveland forecast". (BG-DC) 1420 WHK WCED PA Dubois - 4/23 0039 - Poor to good with 60's and 70's rock. ABC news at 0100. (BG-DC) 1450 WWSC NY Glens Falls - 4/25 0054 - Heard Oldies songs on top of the channel from 0025, finally at this time heard ID into Mamas & Papas song, local announcer. (DB-DE) 1460 WBKC OH Painesville - 4/27 0606 - End of news, then weather and ID and into OLD/NOS song. Over/under CKRB and WCMB but was quite loud at 0613. New here. (JB-MA) PA Allentown - 4/27 0030 - CW music, hard to pull out of slop, best heard on 1467. 1470 WXKW (WW-NJ) 1520 WWKB NY Buffalo - 4/24 0448 - With music and talk in SS with an ID of "Radio Christiana" Culturelles", then an address for the Song of Life program in Brooklyn, New York, The mystery was solved at 0500 with an EE ID as "WWKB, Buffalo" and back to SS music, (LK-ON) 1550 WCLY NC Raleigh - 4/19 0230 - Nice signal with gospel music. (LGW-NY) WCLY NC Raleigh - 4/26 0315 - With gospel music, ads, ID. Becoming a MM pest here, Definitely running 1 kw, no way 7 watts. Permanent power increase? Hope not. (ES-NJ) 1560 WPAD KY Paducah - 4/19 0232 - Heard with ID and mentioning of hits played. Only #3 from KY heard here. (LGW-NY) 1580 WPGC MD Morningside - 4/9 0045 - In with talk show and local weather. (LGW-NY) WZKY NC Albemarle - 4/11 0030 - In with ID. Nice signal. (LGW-NY) KERR-750 AM 0800 to 1600 ELT RI West Warwick - 5/7 1520 - Noted in Spanish with "Super K" IDs and ads for 1450 WKRI South Providence hispanic community businesses. (BC-NH) 1600 TO 2400 ELT FL Pine Hills - 5/11 2337 - Poor under CJSB with much talk about Florida Marlins 540 WGTOt baseball. Does WGTO carry the Marlins? (BG-DC) **620 WHEN** NY Syracuse - 4/11 2302 - Call letter ID, ESPN Network ID and into UNID news. Lost to mess and WMAL slop by 2305. (BG-DC) 700 CHSJ NB St. John - 4/28 1930 - "All country all the time on CHSJ Country 700", call taken on request line, 1945:15 pattern and power shift. (ES-NJ) NC Goldsboro - 5/2 2153 - Promotion for station contest with mentions of sponsors, 730 WFMC gift certificates and lots of WFMC IDs. Also mentioned "AM Storeo 73 WFMC" and "Your variety country". Over/under CKAC and new here. (JB-MA) **740 WVCH** PA Chester - 4/17 1945 - Heard with sign off mentioning "WVCH concludes 1,660th day of broadcast." (LGW-NY) (I wonder if Dave Schmidt did the math for VA Arlington - 5/6 2015 - "WABS Arlington-Washington will now switch to post 780 WABS sunset power for listeners in the Arlington-Washington area." (ES-NJ) **790 WTAR** VA Norfolk - 5/2 2145 - Weather forecast and clear ID and then some news/info items. Fair in among several other stations, new here. (JB-MA) 800 CKLW ON Windsor - 5/9 2230 - Good with Power of Talk promo and ID as "the new AM 800", collect long distance calls accepted! (BC-NH)
- 820 WOST MD Frederick - 5/3 2000 - Orioles baseball on "82-O", fair in WNYC null. (ES-NJ) 830 CFJR ON Brockville - 4/20 1930 - Local items, churches, YMCA, etc. "A public service of 830 CFJR." Oldies format over/under WWMO. (ES-NJ) 850 WYLF NY Penn Yan - 4/25 1952 - In with ID, MOR music, (LGW-NY) 870 WHCU NY Ithaca - 4/21 1940 - Presumed the one with Mets baseball. (ES-NJ) 910 WABI ME Bangor - 4/28 2125 - Playing NOS music and gave the weather forecast at 2137 with several IDs. Fair at best in a jumble. (JB-MA) 1020 WKZE CT Sharon - 4/22 1929 - Sign off 1929:30 with "Join us tomorrow for more of your favorite music, listen to our sister station WKZE-FM 98.1 for continued fine programming," (ES-NJ) 1070 WKOK PA Sunbury - 5/6 1938+ - In unusually well. Songs by Simon & Garfunkel and Elton John. Ad for Zimmermann Motors and CBS news at 2000. (BG-DC) 1100 WHLI NY Hempstead - 4/22 2000 - Sign off with SSB by female and "This is WHLI Hempstead - Garden City. New York. Have a pleasant good evening." (ES-NJ) 1120 WHTT NY Buffalo - 4/30 2000 - 30 second cuts of 60's oldies to 1959:50, then "AM 1120 WHTT Buffalo" and power off. (ES-NJ) 1140 CJTR PQ Trois-Rivieres - 5/1 2030 - Excellent with French AC music on the Radio Mutuel network, over WRVA until power reduction at 2050. (BC-NH) 1150 CJRC PQ Gatineau - 5/1 2035 - Fair on Radio Mutuel network //CJTR, over WMEX null. (BC-NH) 1160 WYNS PA Lehighton - 5/11 2125 - Fair with "Pennsylvania State lottery numbers" and "Classic Hits Radio YNS" ID. (BC-NH) 1190 WOWO IN Ft. Wayne - 5/7 2159 - Noted simulcasting FM with AM & FM ID during Ft. Wayne Komets hockey game, (BC-NH) 1200 WKOX MA Framingham - 4/20 1820 - Station is now playing CW music and ID is "Boston's Country Club WCLB", (JB-MA) WAGE VA Leesburg - 5/6 2005 - With Orioles baseball, over/under WKOX. (ES-NJ) 1270 WTSN NH Dover - 4/28 2000 - ABC news into local news with ID at 2005. (ES-NJ) WHLD NY Niagara Falls - 4/29 1945 - Bilingual program SS/EE "Musica Hispana", SS vocals, request line at 773-1270. (ES-NJ) 1290 WRCPt RI Providence - 5/6 2025 - Up briefly in a real mess before annihilated by WHIO. Could've been PP or SS. (BG-DC) 1300 WIMG NJ Ewing - 4/7 2030-2100 - Playing GOS music and songs. At 2059 female announcer gave several WIMG IDs and mentioned the stations inspirational music and general religious orientation. Fair to good. (JB-MA) 1310 WDKD SC Kingstree - 4/6 2135-2158 - Playing lots of CW music with several "Carolina Country WDKD" IDs. Coming in really strong at times. New here. (JB-MA) 1320 WARA MA Attleboro - 4/25 2028 - ID as "American Sports Net." Nice signal, over and under CKEC. (LGW-NY) WARA MA Attleboro - 5/9 2130 - Good with "WARA Attleboro-Pawtucket" ID and the Sunday Scoreboard on the American Sports Network. (BC-NH) WLEE VA Richmond - 5/4 2000 - Dr. Harvey Reuben giving ID. First time heard here. usually too much WJAS. (DB-DE) CKEC NS New Glasgow - 4/25 2050 - Heard with end of Billy Graham Hour of Decision program. (LGW-NY) CIMR ON Mississauga - 4/24 2223-2304 - Playing songs and music of India with mentions of Puniab and a string of commercial ads in Indian language with many mentions of "International Banquet Hall," ID at 2304 as "CJMR, we are the voice of?," (IB-MA) 1350 WSLR OH Akron - 4/21 2240 - CW music, commercial for Sears/AT&T Days, PSA on clinical depression. (WW-NJ) 1410 WDOV DE Dover - 5/5 2213 - PSAs on Zebra Mussels, drunk driving, a local fair in Dover. "News Radio 1410, WDOV," (WW-NJ) 1420 WBSM MA New Bedford - 4/26 1959 - Heard with end of talk show and NBC news. (LGW-NY) PA Coatsville - 4/22 2205 - With Phillies baseball. (ES-NJ) WCOL WCOJ PA Coatsville - 4/30 2005 - CNN news into ads and Chester County weather and ID. 1450 WEWO NC Laurinburg - 4/5 2105-2118 - Oldies music and ID as "AM 1450 Wee-Woh." Commercial ads and the weather forecast at 2116. Fair to good. New here, (JB-MA) (Jim, the log shows this on 1460 - are you sure this was 1450? - db) 1470 WLAM ME Lewiston - 5/6 2215 - Heard a WLAM ID and then an announcement of a unique arrangement of using 870 and 1470 to get a wider coverage area. (JB-MA)

1070 CBA

1590 WAKR OH Akron - 4/30 1945 - With Cleveland Indians baseball. ((ES-NI)

PA Bedford - 4/27 2005 - Presumed the one with Pirates baseball, list of sponsors, 1600 WAYC "Pirates Baseball Network". (ES-NJ)

#### REPORTERS

SA-MB Shawn Axelrod, Winnipeg, MB:

JB-MA Jim Bagge, Springfield, MA: R5000, HO145, Longwires

BC-NH Bruce Conti, Nashua, NH: R70, DX400, MWDX-5, (2) 60-ft, wires **BG-DC** Bob Gilfert, Washington, DC: DX-440, MWL-900P, Hyundai H-510

LK-ON Laurence Kearley, Orleans, ON: Sony ICF-SW1, Select-a-tenna

AM-VA Alan Merriman, Annandale, VA:

AM-IL Alan R. Millmaker, Centralia, IL:

ES-NJ Elliot Straus, Toms River, NJ: R-390A, Quantum Loop, LW's, MFJ-959B WW-NJ Walter Windish, Wayne, NJ: Icom IC-765, G5RV antenna, Panasonic RF-2600

LGW-NY Leslie Wood, N. Merrick, NY: Superadio II

DB-DE Dave Braun, Wyoming, DE: R-2000, Palomar Loop

#### HALIFAX BAND SCAN

Laurence Kearley spent a night in the "electronically noisy Holiday Inn" in Halifax, Nova Scotia on April 27 and sends us the results of three hours of listening. He used a Sony ICF-SW1 and a Palomar Loop, and mentions that the active antenna which came with the SW1 was useless on MW. I have taken the liberty of changing Laurence's times to ELT from Atlantic Time.

550 CENB NB Fredericton - 1941 - Oldies song My Guy and call ID.

600 CKCLt NS Truro - 1945 - Tentative with the end of Kenny Rogers' The Gambler and a local

610 CHNC PO New Carlisle - 1947 - FF talk and news with ID as "Telemedia, Ouebec"

probable as only other Telemedia on this frequency is not anywhere nearby.

630 CFCY PI Charlottetown - 1954 - With a hard rock song "on CFCY", slogan "today's hits and tomorrow's classics" and another rock song.

CBN 640 NF Saint John's - 2001 - CBC news about next week's election in Newfoundland.

700 CHSJ NB Saint John - 2011 - With CW music and DJ Brent Morris subbing on "CHSJ country" later call ID.

710 UNID 2015 - With a talk show on real estate, probably Bruce Williams as mentioned below (850). Show seemed to be called Inside Information.

720 CHTN PI Charlottetown - 2018 - Rock music, call ID and local weather.

CKAC PO Montreal - 2021 - Probable with FF talk show as this is the only FF on

810 WGY NY Schenectady - 2023 - With ID as "Radio 810, WGY" and commercials with

strong slop from Halifax local on 780 then a rock song. 850 WHDH MA Boston - 2026 - With a phone in show on real estate (Bruce Williams I think)

with a later call ID at 2105.

880 WCBS NY New York - 2032 - With "WCBS news time is 8:32" and later ID as "Newsradio

1010 WINS NY New York - 2037 - Several stations in/out with this one IDing with "WINS news time is 8:37"

1030 WBZ MA Boston - 2039 - With talk show host saying "Good evening, you're on WBZ".

1050 WEVD NY New York - 2041 - The same real estate talk show mentioned above with "This

is Talknet and I'm Bruce Williams" and ID as "WEVD, New York". NB Moncton - 2043 - A CBC broadcast about politics in Alberta.

1080 WTIC CT Hartford - 2045 - With a talk show about crime, then Hartford ads and "WTIC, AM 1080".

1090 WBAL MD Baltimore - 2046 - Probable based on it being a broadcast of the Orioles and

White Sox game. 1110 WBT NC Charlotte - 2048 - With 'It's 60 degrees at WBT" then back to a phone in show.

1130 WBBR NY New York - 2050 - News and ID with "This is WBBR, New York."

1180 WHAM NY Rochester - 2054 - With Bruce Williams and "The WHAM weather for Rochester and upstate New York is ... "

1200 WNSW ME Brewer - 2057 - Probable with news from CNN over music.

1210 WOGL PA Philadelphia - 2111 - With oldies music and an ID as "Oldies 1210, WOGL".

1220 CKCW NB Moncton - 2115 - Rock music and ID as "The Mix" (as do half the stations in

North America), and Moncton ads.

PQ Quebec - 2123 - Mix of FF talk and SS talk. This had to be CKCV. Over 1280 CKCV

UNID below.

NY New York - 2123 - Mix of SS talk and above FF talk. This is probably WADO. 1280 WADO

Over UNID below.

2200 - Over/under ones mentioned above with the USA Radio Network news and into 1280 UNID a program called Radio Free America.

1290 WKNE

NH Keene - 2125 - With soft rock music, later ID at 2300 and into the Red Sox

game at Oakland.

MA Waltham - 2128 - With one of the greatest shows I've heard. Latin socca 1330 WRCA music with talk in FF, EE and SS on a Caribbean all request show (621-1330) with talk of the islands. Time check at 9:58 and ID as "WRCA Waltham-Boston". Then

after 2200 went into a program in FF called Radio Galaxie".

1350 WINY CT Putnam - 2205 - With Red Sox game.

ME Ellsworth - 2153 - Pre-game show for Red Sox game with local ads, mentions 1370 WDEA

of Ellsworth, phone number 244-7461 and call ID.

St. Pierre et Miquelon - 2140 - Tentative with FF music and talk. I say tentative as 1375 RFOt I was tuned to 1377 (that's as close as you can get with this Sony!) and the language was not FF from PQ and there was no FF on 1370 nor 1380. Fade and off air at

MA Marlborough - 2213 - With Red Sox game. 1470 WSRO

MA Fall River - 2215 - With Red Sox game. 1480 WSAR

DC Washington - 2217 - With Orioles and White Sox game. 1500 WTOP

MA Boston - 2219 - Probable with SS music very strong and clear. 1510 WSSH

NY Albany - 2221 - CNN Headline News with ID as "WPTR, News Radio 1540". 1540 WPTR Very strong.

1560 WQEW NY New York - 2224 - With MOR music and call ID given by Carly Simon. Extremely strong and clear.

1580 CBJ PO Chicoutimi - 2228 - With FF talk and local ad.

1600 UNID 2240 - A real mystery with FF talk and severe fade. The FF was definitely not from PO and was very slow by FF standards. The discussion was about classical music

and gave no clues. There are no FF stations listed in the log on 1600, nor in the WRTH from any francophone countries, not even on nearby frequencies. HELP!!



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# International DX Digest

Jim Renfrew 61 Wilcox Street Rochester, NY 14607-3832

Foreign DX Catches. Times are UTC; for ELT, subtract 5 brs.

Well, things have become much busier around here in the last week, now that our new eight-year-old son Roberto has arrived. It appears that one of the first adjustments in my daily routine is the substitution of DXing for bedtime stories!

Welcome to new reporter Steven Wiseblood, whose listening post is strategically located along the Texas border with Mexico.

#### TRANS-PACIFIC DX

774 AUSTRALIA 3LO Melbourne, 4/25 1102 - Good with man doing Australian and world news in Australian accent, new! [SA\*MB]

1017 JAPAN JOLB Fukuoka, 4/25 0950 - Poor with womanin Japanese, faded up for about 3 minutes, my first Japan station! ISA\*MBl

Shawn speaks: "Hets were heard from 531 to about 1100, the best ever, but only two stations good enough to be heard. These two made the walk in the mud and the snow worth it. Temperatures were about 0 to -9 degrees C, but the wood stove kept us warm. Went out to wind up antennas so farmer could work the land. Oh for my 2000 foot west beverage I had to take in, left out a little piece so I could DX a little after a good sleep. Oh well, there is always next year." (ah-Manitoba springtime, the snow melting, farmers starting up their tractors, DXers rolling up their beverages ... Jim)

#### TRANS-ATLANTIC DX

999 SPAIN Madrid, 4/9 0335 - Fast Spanish talk by man. [MC-MA]

1098 CANARÝ ISLANDS and/or SPAIN and UNID (CZECH?), 4/9 0343 -Spanish talk over/under classical music. [MC-MA]

1107 SPAIN 4/9 0347 - Spanish talk, pronounced echo present. [MC-MA] 5/6-9 0100-0300 - Strong het against WHIM-1110 heard in WBT null, but never produced any audio, Spain likely. [BC-NH]

1125 SPAIN/LIBYA/??? 4/9 0348 - Spanish and Arabic programs blending with other audio in a jumble with low growl typr of hets. [MC-MA]

1179 SPAIN 4/9 0353 - Spanish talk to good peaks. [MC-MA]

1251 LIBYA Tripoli, 3/31 0243 - Excellent with man in Arabic. [MC-MA]

1305t SPAIN 4/9 0357 - Spanish-sounding talk, in slop. [MC-MA]

1359 SPAIN (and MELILLA?) 3/21 0600 Excellent with man and woman in
Spanish. This is one of the most
consistent TAs in the Boston area
4/9 0359 - Like a local! [MC-MA]
(see Station News for update about
Melilla - Jim)

1.368 UNID 3/31 0304 - Possible Spanish or Portuguese talk, hetted by Angola 1367. [MC-MA]

1386 UNID 3/31 0303 - Fat carrier, bits of talk and music. [MC-MA]

1413 SPAIN 4/9 0400 - News in Spanish by man. [MC-MA]

1530 VATICAN 3/31 0250 - Loud with Slavic-sounding talk by woman // 6245. Burying WCKY totally! Third audio present at times, not sure if this was the Arabic station recently noted by Burnell. [MC-MA]

1548 ENGLAND 3/31 0257 - English talk, poor. [MC-MA]

1575 SPÅIN/GERMANY 4/9 0405 - Spanish and German programs mixing. [MC-MA]

1584 SPAIN 3/21 0604 - Woman in Spanish, fair to good. 4/9 Spanish talk, choppy. [MC-MA]

1593 GERMANY Langenberg 3/31 0258 -Rock music, fluttery fades. 4/9 0407



- to strong peaks with "Down Under" by Men at Work (1982 hit). 4/11 0424 - Excellent with soul hit "Wishin' on a Star". [MC-MA]

1611 VATICAN 3/31 0253 - Good with fast Slavic talk, killing Anguilla 1610. [MC-MA]

#### PAN-AMERICAN DX

700 JAMAICA JBC-1 Montego Bay, 5/4 0256-0302 - Sports talk program with talk of NBA playoff games. Announcer greeting callers "Hello ... Good Night" (where "Good Evening" would be appropriate in the USA), 0259 ID "JBC Radio One", mention of Montego Bay, into love songs programs of romantic music, 0300. ISCW-TXI

740 MEXICO XEGF Gutierrez Zamora VER, 4/19 2343 - Heard in null of KTRH-740, musica popular, jingle "740 AM Stereo", and as "740 R. Fiesta", ads, mentions of Gutierrez Zamora and Poza Rica, full ID "XEGF 740 con 2 mil watts de potencia en Gutierrez Zamora", also gave address and telephone number. This frequency reflects a change from 1420 kHz as listed in 1993 WRTH. (Daytime reception over water path). [SCW-TX]

740 CUBA R. Progreso, 5/2 0548 - The only LA station noted tonight, and very weak, single ID heard. [JR-NY]

750 VENEZUELA R. Caracas, Caracas, 5/12
0200 - Good with Radio Caracas ID
and "red nacional de noticias llamada Caracas" news/talk
program, over WSB. [BC-NH]

760 NICARAGUA R. Sandino, 5/4 0125 - IDs "La S Grande". "Noticias Eco" with news headlines by man announcer, 0158 LA pop music. [SCW-TX]

850 MEXICO XETQ Orizaba Veracruz, 4/26 0356 - ID "XETQ, La Nueva en su música", mention of 10 mil watts de potencia, lite Mexican pop music. [SCW-TX]

860 HAITI 4VKM Les Cayes, 4/18 1525-1600
- Music, orchestra and choirs, French talk, poor, no interference; almost like REL at times. [DT-JAM]

890 CUBA R. Progreso (cf 900, WRTH lists 50 kW, QTH as Cacocum), 4/18 0020 - TC as "8:30" indicating EDT time, talk by man with mention of the origins of cuban rhythms derived from African music, 0030 ID "Radio Progreso", mention of Havana, mix of salsa/pop music, very strong. [SCW-TX]

890 MEXICO XE?? Tuxpan VER, 4/19 2335 - In null of KVOZ Laredo, lite pop music, slogan by man "ocho noventa" repeated numerous times, mention of Ciudad de Tuxpan. 4/20 2357 - Heard again with KVOZ off the air, "musica romántica", numerous "890" slogans, man announcer greeting listeners, ads, 0005 birthday greetings, "musica tropical y romántica", mention of Tuxpan 0031, program of listeners' requests and dedications (daytime over water path). [SCW-TX]

895 ST. KITTS & NEVIS VON, Nevis, 5/12 0100 - Good with "Power from the Tower, VON Radio" ID and soca/soul/reggae music. [BC-NH]

930 MONTSERRAT R. Antilles, Plymouth, 4/19 2100-2106 - VOA relay news, fair over R. Reloj. [DT-JAM]

930. MEXICO XEU Veracruz VER, 5/9 2034 - Ads, promo for concerts, ID "es la U de Veracruz" jingle, into live fútbol broadcast with two men announcing. (Over water path daytime reception). [SCW-TX]

950 MEXICO XETO Tampico TAM (cf 1400), 4/20 0023 - ID "XETO Radio Recuerdas 1 mil watts de potencia en Tampico", música romantica, also had one single taped ID "Recuerdo" by woman between songs (daytime over water path). [SCW-TX]

1010 MEXICO XEHL, Guadalajara JAL, 5/11

0308 - Full ID "XEHL Guadalajara
Jalisoc" by man announcer, into
Mexican popular - cumbia music,
jingles 0310 as "HL", promo for
música banda concierto, "La
Poderosa", slogan 0311. [SCW-TX]

1020 MEXICO XEPR Poza Rica VER (cf 1480), 4/19 0314 - Full ID as "XEPR Poza Rica", ads, música romantica, "La Hora Azul" featuring music "de los trios, WRTH lists as 5 kW. [SCW-TX]



1030 MEXICO XEMPM Los Mochis SIN, 5/4 0150 - TC for "10 minutes before seven" indicating Mountain Standard Time, slogan "R. Fama", lite popular mexican music, jingle "R. Fama", ID 0200 with mention of 1 mil watts de potencia". [SCW-TX]

1030 MEXICO XEQR Mexico City DF, 5/11 0201 - Full ID, programa de música romantica, mention of "el Ciudad de Mexico", ads, música de trios. [SCW-TX]

1100 ANTIGUA ZDK St. John's, 5/12 0120 -Fair with "magic" IDs and urban contemporary music, in WWWE null. [BC-NH]

1101a UNID (probably CUBA) 4/9 0345 -Man and woman here in Spanish; signal created a raucous, ripping het against the usual WWWE/ZDK/ others on 1100. [MC-MA]

1150 CUBA?? R. Cubano 3/21 2230-0000 -Jazz, Billie Holliday, Sarah Vaughn, Ella Fitzgerald, ID at 0000 as R. Cubano, good. [DT-JAM] (Possibly R. Bayamo? - Jim)

1195t HAITI 4VAF, Jeremie, 3/21 2058-2150 -Man and woman talking in French. no ID heard, fair. [DT-JAM]

1270 MEXICO?? XEYW, Mérida, 3/25 2048-2118 - Ranchera-type music, no definite ID heard, Mexico mentioned, could be someone else, poor. [DT-

1340 GUANTANAMO WGBY Guantánamo Bay, 3/15 1437 - Item on disposable cameras, UPI Round Table program, good, no interference. [DT-JAM] (This one is considered a separate country on most lists - [im)

1375 ST. PIERRE & MIQUELON 5/8 0305 -Surprisingly strong signal with French talk, despite heavy slop from WFEA-1370 and WSYB-1380. [BC-

MEXICO unID 3/29 2110-2200 -Electronic music, string orchestra, clarinet solo, JAZ or BBD, piano solos, 2100 woman announcer in Spanish, no ID, suspect XEBS, but could be someone else. [DT-JAM]

1500 MEXICO XEGN Piedras Negras VER, 4/23 1203 - ID "XEGN La Super G en Piedras Negras, Veracruz", musica banda, rancheras, ads. [SCW-TX]

1580 CUBA CMHP Santa Cruz, (no date), 1455-1500 - LA music, ID as R. Cadena Agramonta, good. [DT-JAM]

#### STATION NEWS

CAMBODIA: Radio UNTAC (United

Nations Transitional Authority in Cambodia) programs are heard on VOA Thailand 1575, since November on 918 kHz Phnom Penh (120 kW), and new 25 kW transmitters at Siem Reap 539 kHz, Stung Tren 650 kHz and Kompong Tom 720 kHz. R. UNTAC plans to be on the air 0530-0700, 1100-1230, and 1800-1930 local time, daily. [Martin Hadlow UNESCO in DX Australia 4/931

CUBA: From Russell Scotka: Regarding Ernie Wesolowski's 1001 kHz unID QRM - its CMAC R. Guama. "They aren't operating at the 10 kW noted in the WRTH and frankly I think the transmitter is getting ready to go belly up because they are making one mess of that frequency here. Of course, it could be intentional jamming to keep the Colombian from getting through. They occasionally end the broadcast day on 1020 but never drop the transmitter off line, instead they substitue some kind of fuzz for modulation and crater that frequency all night. Lots of the locals are slightly off frequency and I can only speculate as to whether it's to interfere or they can't get the parts for the equipment or daily brownouts are taking their toll on the finals?" Russ also notes that Terry Krueger reports Taino has been lurking on 890.

DUBAl: DXer Hans Johnson heard the following during a March visit: 657 Abu Dhabi, Urdu rather than Arabic // 810 at 1319; 1122 Iran, Home Service probably Bandar Lengeh on 1116 off frequency // 90.1 MHz; 1224 Iran? (clandestine) Voice of the Islamic revolution in Iraq 1415 in both standard and Iraqi Arabic, unjammed, strong with ID at 1430; 1413 Oman BBC easily heard in Dubai; 1476 Dubai Arabic Service is back on frequency rather than listed 1481. [Hans Johnson in NSAWA Journal 5/931

INTERNATIONAL WATERS: A radio ship fitted out in Galveston, Texas is said to be on its way to the North Sea with three 50 kW transmitters on board (one SW and 2 MW) to broadcast religious programs. [Medium Wave News 5&6/93]

INTERNATIONAL WATERS: A radio station carrying independent news to the remnants of Yugoslavia, and financed by the European Community (\$1.2 million for the first month, thereafter through private donations), began broadcasting from a ship near Bari, Italy, on April 7. R. Brod (Radio Boat) operates on 720 kHz with 50 kW and on 90 MHz FM. It can be heard in northern Europe around 0300 when some co-channel stations are silent. The staff of seven include a



Slovene, two Croats, two Monenegrins, a Serb, and a Bosnian Muslim. Its director, Agitsa Panorats, says they hope to make a dent in the propaganda war that has accompanied the ground fighting ... The station is located on a former oceanographic vessel named "Droit de Parole", which means "The right of speech". The 65 meter-long ship flies the flag of St. Vincent and the Grenadines, in the Caribbean, and depends on the port of Bari for supplies ... In response to questions about legality, the director states that "there are higher moral objectives at stake here: We are not like Radio Caroline, fighting to have a few hours of pop music and working on commercial programs. We are fighting, first for the dignity of professional journalists. We are fighting to stop the war and re-establish dialog. We are fighting to try to make communication among those parts of Yugoslavia which do not communicate anymore, especially members of the families all over ex-Yugoslavia which at the moment are not able to give a message or talk to each other. This is is what gives legitimacy to the project." [excerpts from transcript of Radio Nederland Media Network interview 4/15 in NASWA Journal 5/93]

KALININGRAD R. Moscow World Service replaces R. Ala on 1386. [OA in ARC 4/17/93] ( I read somewhere that R. Ala couldn't pay the bills for transmitter time on R. Moscow facilities - Jim) MELILLA: "According [to] the new R. Nacional España medium wave list edited in March, R. 1 RNE Melilla is reported only on 972 (ex-1359 kHz)!" [Play-DX #739, 4/26/93]

NETHERLANDS: Dutch "lausteramateurs" who specialize in traditional Netherlands country music on weekends hang out around 1610-1640 kHz between 0000-0300 Saturday and Sunday. A few of them had ventured down into the regular MW band but found the QRM too much. The Dutch pirates began around 1610 kHz, but are now mostly between 1622-1640 kHz. A few of them have made it across the pond to Newfoundland and Canada. They operate amateur fashion, which means that they talk to and play music for each other. Stations which announce their addresses are rare, although the Dutch PTT does not raid them because it has more important work to do. [John Campbell and IM on RNMN 4/1 in NASWA Journal 5/93]

PANAMA: HOPU "Lider 540" (ex-Emisora Lider, 550 kHz) [LARP in ARC 4/17/93]

RUSSIA: VOA Relay 648 Ussuriysk 1000 kW 1300-1400 Korean. [VOA BBS in NASWA 5/93]

THAILAND: Jamming has come to the Far East and is pretty severe on a lot of channels. The 1000 kW VOA transmitter on 1575 was clear in mid-February, but in late March

jamming began at 1330-1700, including Khmer as well as Mandarin and Cantonese. [AC on Radio Nederland Media Network in NASWA Journal 5/93] (NASWA editor Mike Ferguson adds that the jamming sounds like ball bearings falling on a carpeted floor - Jim)

UNITED KINGDOM: Virgin 1215 went live 8am-8pm in mid-April then extended hours 5am-midnight. Also now on Astra stellite. [Steve Whitt in Medium Wave News 5&6/931

#### **OSL INFORMATION**

ENGLAND: GCC1, 1615 kHz, BRITISH TELECOM, CULLERCOATS RADIO, BT Station, WHITLEY BAY, Tyne & Wear, NE26 2PD, ENGLAND; QSL card. [HH-MD]

#### CONTRIBUTORS

[IR-NY] Jim Renfrew, Rochester NY; Sony ICF-2010, Radio West Loop.

[DT-JAM] Don Trelford, St. Ann's Bay, Jamaica.

[SA\*MB] Shawn Axelrod, Valhalla Beach MB; ICOM ICR-70, beverages west and south about 500 feet.

[MC-MA] Mark Connelly, Billerica MA; Drake R8, JRC NRD 525; 20m wire and 37m wire with noise-reducing transformers to MWDX-5 Phasing Unit and MWT-3 Regenerative Preselector.

[BC-NH] Bruce Conti, Nashua NH, R70, DX400, MWDX-5, 2 60 foot wires.

[HH-MD] Hank Holbrook, Dunkirk MD; SONY AIR-8 with whip, Realistic DX-400 with 50 foot longwire.

[SCW-TX] Steven C. Wiseblood, Brownsville TX; GE Superadio II.

#### DX OK IN THE UK

Here are some of the stations that Tom S. heard on a recent stay in the United Kingdom: 234 LUXEMBOURG RTL, 3/24 2200-2400, 3/25 0700-0900 - Strong, steady signal all day in London; in French with French CHR and 60's-70's American rock and blues.

828 UNITED KINGDOM Luton, 3/19 2300-2400 - IDs as "Luton Radio 828, Sungold" on the Chiltern Radio Network with olies and local Luton inserts. Request line is Bedford 0345-078-078; also heard reminders for listeners to pick up new car stickers at their local "Supergold" stations. Fair signal with occasional TVI, with 200 watts 30 miles from Luton in West London.

1215 UNITED KINGDOM Virgin 1215 -Testing on air during week of 3/19-3/25. On all day with the same hour of music repeated continuously; 1548

about half current rock and half classic rock from the past 25 years. Also frequent announcements explaining the tests and noting that regular programming would start 4/30. Address for more info: Virgin 1215, 1 Golden Square, London W1R 4DJ. Heard on 1215 in London, Hereford, and Liverpool.

UNITED KINGDOM City Gold, Liverpool, 3/21/22 2200-0200 -With a talk show and 3 or 4 records per hour. Weak unID way underneath with oldies, possibly Capital Gold? City Gold is full service; with oldies, IRN news, a job line feature and "tradio" from 1400-1500. Heard while in Liverpool. (Tom, my apologies for pitching your envelope with your last name on it. Please write in and identify yourself so I can report your hast name - red-faced Jim)

# FM DX

Digest

## Mike Hawk, NØOSY

10212 P St.

Omaha, NE 68127-2130

DX on the FM band, from April through September

E skip has been very slow so far, compared to last May. However, it should be picking up by the end of May.

There has been a little tropo in the south and east, the best of which was some Gulf tropo reported in Florida. I forgot to mention in the last FMDXD that tropo is usually more common over warm waters, so those of you living around the Gulf of Mexico should be ready for some great DX!

Please note Russ Edmond's unIDs. Also, Rick Dau of IA called with an unID on 104.7, which sounded like WLMD. Can anyone help?

This is my first submission to DXN on disk, so please bear with me as I get the bugs worked out.

William Wyllie - 95 Peck ST - Franklin, MA 02038-2217

Equipment: Realistic Modulaire 2200 with built in antenna.

3/28 (no times listed)

95.1 WRKI CT Brookfield - Strong with "I-95" rock music

95.7 WKSS CT Hartford - Rock music, sounded like DISCO. Long song with ID's here and there. "You're listening to Kiss 95.7 House Mix". Station not heard much.

97.3 WZBG CT Litchfield - Srong, first time logged. Lite rock music. ID as "You're listening to 97.3 WZBG Litchfield"

97.9 WPXX MA Enfield - Strong with country music. "Kicks 97.9." Heard once before.

98.7 WXOD NH Winchestor - Noted "Oldies 98.7". Mention "Pat Thomas" show weekdays. Good signal. Note sure 0 1 d 1 o s 1 0 5 FM

of call letters-sounded like WXOB. First time heard. [Note calls, William - mrh]

98.9 WCLZ ME Brunswick - With call that I swear DJ said WCLT (unless I heard it wrong), but I heard Brunswick and Por tland, also.

3/30

102.1 WZEA NH Hampton - Fuzzy but good over Rock 103 WGIR-FM. ID as "Seacoast 102", then rock music. ID as "WZEA Hampton, Newington, Newberryport (MA). CNN News

102.9 WPXC MA Hyannis - Fair to poor with Pixy 103. Rock.

102.9 WBLM ME Portland - Came up briefly with WBLM and rock music.

William also needs help finding the addresses for WZBG, WXOD, and WZEA, all of which were logged above. He also notes that WKPE, 10.7 in Orleans, MA is now Oldies 104 (prev. rock).

Mike Jeziorski - 6915 Middleton Ave - St. Augustine, FL 32086-8168

Equipment: Sony ICF 2010 with whip, Technics SA-222 stereo receiver with 3' dipole.

4/13 Tropo

0004 104.1 KRBE TX Houston - under WWNZ with legal ID.

0009 93.7 KLTR TX Houston - non-ID as "The new K-lite"



8510 South State Road 3 Muncie, IN 47302 00 16 97.5 WABB AL Mobile - ID and pop music.

0020 96.5 KHMX TX Houston - local public service announcement and "Mix 96.5" non-ID.

0101 96.1 WAVH AL Mobile - Legal ID over the hour.

0114 98.5 WFSY FL Panama City - "Sunny 98.5" non-ID.

Though the distance of the TX catches (849 miles) would suggest E skip, this was probably tropo considering 1) the signals did not exhibit the fading associated with skip, 2) I was alsogetting several gulf area stations on TV, including tentative reception of TX on channel 11, where skip rarely reaches, and 3) a local ham friend mentioned that he was hearing LA hams on 2 meters (144 MHz). [Also, the time helps prove that it was tropo. Look for more Gulf tropo, Mike, as it should be fairly "common" for your location, occurring a few times every year. -mrh]

#### Russell L. Scotka - 6936 NW 6th Ct. - Margate, FL 33063

Equipment - Pioneer SX-838 w/McVey [of WTFDA fame - mrh] designed 5 filter cascaded IF mod and Archer VU-190 on 20' mast w/rotor.

4/14 (all heard between 1820-2230 EDT)

88.1 WRJA SC Sumter - Fair w/NPR Morning Edition

88.3 WLPT GA Jesup - Strong w/rel program. ID at 2005

93.5 Dobleve CUBA - Santa Clara - Strong over two locals w/SS nx, numerous mentions of Villa Santa Clara and "w" ID's dominat early (1830) faded later. No other CM stations noted.

95.1 WAPE FL Jacksonville - Usually heard here weak thru WZTA. Was blasting thru tonight with strong stereo.

96.3 WRXR GA Aiken - Good signal, rock music. "Rock 96" slogan

97.7 WHTK SC Port Royal - C&W format, ads for Hilton Head businesses, "New Country K" slogan

98.1 WGNE FL Daytona Beach - C&W format. This the lesser heard Daytona stn here. 94.5 WCFB is heard alomost daily and is also C&W.

104.5 WFYV FL Jacksonville - Same as 95.1 w/crushing stereo, "Rock 105"

I was surprised to find the Bahamas absent on 104.5 during this event. They come in consistently in the mid-afternoons but don't seem to stay on late unless it's a special occasion. Last heard them on really late Christmas Eve '92. Russ Edmunds - 753 Valley Road - Blue Bell, PA 19422-2052

Equipment: Delco car radio with whip

The following are changes (from those listed in the 14th Edition of the FM Atlas).

92.3 WMGS GA Macon - ex-WVPI is country.

Slogan is "Kissin' Country or
"Kissin' 92.3". Only ID hrd 1200
4/30 as I was heading back to
Atlanta, and was garbled so not
certain on the call. Not yet on air
8/91.

92.7 WKKZ GA Dublin - is now soul/dance 95.9 WQZY GA Dublin - off air 4/26-30 at

least 97.5 WUFF GA Eastman - is here, ex 92.1. Is still WOOF-FM

97.5 WEZK TN Knoxville - is now EZ 97.5

97.9 WKXK GA Fort Valley - is now "Foxy 98"

98.7 WPUR GA Americus - is here, ex-97.7.

99.1 WAYS GA Macon - is now oldies 100.9 WPGA GA Perry - is now rock

101.1 WROQ SC Anderson - ex-WCKN, still

classic rock.
101.7 WRCC GA Warner Robbins - ex-WPPR.

Is country.

103.7 WPUP GA Royston - is soul/danc, and

is "Bulldog 103.7" 104.3 WBBQ GA Augusta - is now rock

105.9 WRHY AL - w/rock/MOR. "Y-106, the perfect mix" and "Serving NE Alabama". Owing to geography, power, antenna, I would suspect that this is the Trussville, rather than the Centre CP listed in the 14th edition

106.1 WZLI GA Toccoa - now MOR/rock (mix format)

107.1 WNEX GA Gordon - ex-WYGO and is beautiful music

107.3 WCGO GA Columbus - now rock

107.5 WDBN GA Wrightsville - ex 106.3, but I won't swear to the call, as I never heard an ID, just persistent "Mix 107.5" slogans. Is MOR/rock.

Now Russ' DX from Macon:

2246 WMJJ AL Birmingham - "Magic" w/rock o/u normal WDOD-TN

2210+ unID - with syndicat Ron and Ron Show" over the "Ron and Ron Radio Network" w/rock and chatter



and phone-in at 1-800-741-8383. Also heard a slogan sounding like Q-102, o/u WGMG Crawford, GA.

4/28 1823 unID - "Rock 103" w/promo for WOCG TV 38.

Now, Philadelphia news from Russ:

100.3 WPLY PA Media - "Y-100" changed from WKSZ "Kiss-100". Was soft rock, now slightly less so.

101.1 WEAZ PA Philadelphia - is now "B-101.1" ex "EZ 101". Was soft rock, is now slightly less so. I expect a call change.

103.9 WDRE PA Jenkintown - is now rock, formerly ethnic/religious WITF

106.1 WJJZ PA Philadelphia - changed from rock to soft jazz WEGX 4/5/93

Me- Omaha, NE Equipment: Kenwood KT-815 and 10 element Antennecraft at 30'

4/18 Tropo

0850 97.5 KMOD OK Tulsa - fair with special on the Beatles. ID "97.5 KMOD, The past, present, and future of rock and roll"

5/13 E skip

1934 92.1 WFEZ FL Williston - weak with an ID just before fadeout

1936 88.1 WHIJ FL Ocala - Religion. First new catch of the season.

# Graveyard Achievements

Bill Hale 495 Creekview Drive Meridian, ID 83642-3241

Distance records for stations logged on graveyard frequencies

### 1490 kHz

Logged from Jan 1, 1960 to Present

AM "Radio Kico" 1490

Date of Last Update: Apr 10, 1993

KICO-AM

WAJF	ΑĹ	Decatur	Neil Wolfish	Toronto, ON	745
WHBB		Selma	Frank Merrill	Milau, MI	687
AFRN	AK	Campion	Esa Hānninen	Lemmenjoki, Finland	3209
AFRN		Eielson AFB	Frank Merrill	Nenana, AK	52
KBAS	ΑZ	Bullhead City	John Wilkins	Wheat Ridge, CO	599
KCUZ		Clifton	Rick Carr	Bloomungton, IL	1168
KYCA		Prescott	Jeff Tynan	Parker, CO	543
KAIR		Tucson	Laurie Boyer	Invercargill, NZ	7386
KZAO	AR	Dardanelle	Stephen Ponder	Harrison, AR	74
KDRS		Paragould	Shawn Axelrod	Winnipeg, MB	1033
KOTN		Pine Bluff	Carl Dabelstein	Lincoln, NE	510
KARV		Russellville	Steve Francis	Alcoa, TN	519
KWAC	CA	Bakersfield	Olle Alm	Abisko, Sweden	4947
KGUD		Banning	Tim Hall	Chula Vista, CA	90
KOWL		Bijou	Pete Taylor	San Francisco, CA	160
KICO		Calexico	Mike Sanburn	Bellflower, CA	185
KRKC		King City	Frank Merrill	Nenana	2266
KTOB		Petaluma	Frank Merrill	Nenana	2107
KBLF		Red Bluff	Jim Hilliker	Anaheim, CA	498
KDB		Santa Barbara	Richard E. Wood	Hilo, HI	2393
KOWL		South Lake Tahoe	Esa Hänninen	Lemmenjoki	4791
KSYC		Yreka	Esa Hänninen	Lemmenjoki	4634
KBOL	CO	Boulder	Esa Hänninen	Lemmenioki	4519
KGUC		Gunnison	Jeff Tynan	Parker	133
KIIQ		Manitou Springs	John Wilkins	West Des Moines	612
WGCH	CT	Greenwich	Rodney Valdron	Petit Rocher, NB	610
WNLC		New London	Russ Edmunds	Little Silver, NJ	122
WTOR		Torrington	Russ Edmunds	Little Silver	114
WTRL	FL	Bradenton	Frank Merrill	Milan	1013
WXVQ		Deland	Karl Jeter	Stone Mountain, GA	375
WKEM		Immokalee	Ernie Cooper	Provincetown, MA	1253

WMBM		Miami Beach	Mike Csorbay	Canfield, ON	1191
WCKC		Milton	Steve Francis	Alcoa	399
WTTB		Vero Beach	Steve Francis	Alcoa	600
WSIR		Winter Haven	Shawn Axelrod	Orlando, FL	34
WMOG	GA	Brunswick	Don Lynch	Wilbraham, MA	907
WMJM		Cordele	Don Davis	Warner Robins, GA	50
WAJF		Decatur	Bruce Winkleman	Man, WV	355
WMLS		Monroe	Jason Hustedt	Lexington, SC	144
WSFB		Quitman	Don Lynch	Lynn, MA	1063
WSNT		Sandersville	Ernie Cooper	Provincetown	990
WSYL		Sylvania	Mike Csorbay	Canfield	715
WRLD		West Point	Don Trelford	Runaway Bay, JMC	1111
KCID	ID	Caldwell	Esa Hänninen	Lemmenjoki	4435
KKLB		Chubbuck	Esa Hänninen	Lemmenjoki	4431
WKRO	IL	Cairo	Russ Edmunds	Glen Rock, NJ	851
WDAN		Danville	Niel Wolfish	Winnipeg, MB	848
			Shawn Axelrod	Winnipeg	(Tie)848
WESL		East St. Louis	John Malicky	Pittsburgh, PA	546
WOPA		Oak Park	Wayne Heinen	Buffalo, NY	460
WZOE		Princeton	Niel Wolfish	Willowdale, ON	541
WKBV	IN	Richmond	Niel Wolfish	Winnipeg	961
WNDU		South Bend	Steve Francis	Alcoa	427
KBUR	IA	Burlington	Esa Hänninen	Lemmenjoki	4220
WDBQ		Dubuque	Wayne Heinen	Colorado Springs, CO	778
KXLQ		Indianola	John Wilkins	Wheat Ridge	617
KRJB		Mason City	Esa Hänninen	Lemmenjoki	4110
KKAN	KS	Phillipsburg	Olic Alm	Abisko, Sweden	4318
KTOP		Topeka	Esa Hänninen	Lemmenjoki	4417
WFKY	KY	Frankfort	Tim Kerfoot	Weston, ON	472
WKAY		Glasgow	Frank Merrill	Milan	352
WFXY		Middlesboro	Robert Kramer	Chicago, IL	418
WOMI		Owensboro	Niel Wolfish	Toronto	573
WSIP		Paintsville	Andy Rugg	Waterloo, ON	407
WIKC	LA	Bogalusa	Charles Reh	Leamington, ON	867
KJIN		Houma	Steve Francis	Alcoa	584
KRUS		Ruston	Charles Reh	Leamington	859
WTVL	ME	Lewiston	Dave Yocis	Fairfield, CT	250
WPOR		Portland	Esa Hänninen	Lemmenjoki	3600
WTVL		Waterville	Charles Reh	Leamington	673
WARK	MD	Hagerstown	Andy Rugg	Montreal, PQ	455
WHAV	MA	Haverhill	Jerry Starr	Youngstown, OH	516
WMRC		Milford	Christian DeHaes	Chicoutimi, PQ	436
WTXL	MT	West Springfield	Jerry Starr	Youngstown	420
WABJ	MI	Adrian	Esa Hänninen	Lemmenjoki	4009
WAND WMPX		Manistique Midland	Rodney Valdron	Petit Rocher	975
WINITA		Michand	Niel Wolfish Shawn Axelrod	Winnipeg	791
WPBK		Whitehall	Don Voorhies	Winnipeg	(Tie) 791
KXRA	MN	Alexandria	Russ Edmunds	Oswego, NY Parsippany	489 1111
KQDS	14174	Duluth	Shawn Axelrod	Winnipeg	309
KLGR		Redwood Falls	Roy Millar	Marysville, WA	1322
WLOX	MS	Biloxi	Frank Merrill	Milan	855
WCLD	-1120	Cleveland	Charles Reh	Leamington	724
WHOC		Philadelphia	Jerry Starr	Youngstown	731
WTUP		Tupelo	Ralph Sperry	Fairfield, CT	1180
WJFL		Vicksburg	Sreve Francis	Alcoa	462
KDMO	MO	Carthage	Frank Merrill	Milan	661
KTTR		Rolla	Shawn Axelrod	Winnipeg	874
KDRO		Sedalia	Shawn Axelrod	Winnipeg	813
KDBM	MT	Dillon	Esa Hänninen	Lemmenjoki	4279
KXGF		Great Falls	Shawn Axelrod	Winnipeg	621
KLYN		Laurel	Esa Hänninen	Lemmenjoki	4199
KEZO	NE	Omaha	Esa Hänninen	Lemmenjoki	4282
WEMJ	NH	Laconia	Jerry Starr	Youngstown	511
WLGW		Lancaster	Andy Rugg	Nuns' Island, PQ	125

WIKE		Newport	Charles Reh	Leamington	580
WUSS	NJ	Atlantic City	Debra Hidden	Orlando, FL	860
KRSN	NM	Los Alamos Raton	John Wilkins	Wheat Ridge	277
KRTN KOAW		Ruidoso Downs	Tim Hall Tim Hall	Rancho Bernardo, CA Rancho Bernardo	767 668
WCSS	NY	Amsterdam	Morris Sorensen	Port Carling, ON	303
WBTA	111	Batavia	Russ Edmunds	Little Silver	286
WKNY		Kingston	Frank Merrill	Milan	496
WICY		Malone	Charles Reh	Learnington	446
WDLC		Port Jervis	Don Trelford	Scarborough, ON	286
WCDO		Sidney	Mike Csorbay	Canfield	188
WOLF		Schenectady	Laurie Boyer	Invercargill	9348
WAQX	NC	Syracuse	Morris Sorensen	Port Carling, ON	218
WSSB WLOE	NC	Durham Eden	Andy Rugg Russ Edmunds	Montreal	705 430
WFLB		Fayetteville	Tim Kerfoot	Kinnelon, NJ Weston	599
WRNB		New Bern	Dave Fox	Reading, PA	370
WRMT		Rocky Mount	Andy Rugg	Montreal	705
WSTP		Salisbury	Charles Reh	Learnington KNDC	452
WSVM		Valdese	Frank Merrill	Milan HETTINGER, N. D.	449
WHSL		Wilmington	Tim Kerfoot	Toronto, ON 58639	655
KNDC	ND	Hettinger	Olle Alm	Abisko, Sweden	3982
KOVC	011	Valley City	Roy Millar	Marysville	1137
WBEX	OH	Chillicothe	Bill Alisauskas	Douglasville, GA	378
WJMO WOHI		Cleveland Heights East Liverpool	Chris Lucas Robert Kramer	Fairfield	430 377
WMOA		Marietta	Steve Francis	Chicago Alcoa	284
WMRN		Marion	Niel Wolfish	Winnipeg	978
*********		17242.011	Shawn Axelrod	Winnipeg (Tie	e) 978
KOKC	OK.	Guthrie	Esa Hänninen	Lemmenjoki	4620
KBIX		Muskogee	Niel Wolfish	Winnipeg	1000
KBKR	OR	Baker	Esa Hänninen	Lemmenjoki	4374
KRNR		Roseburg	Esa Hänninen	Lemmenjoki	4541
KBZY		Salem	Esa Hänninen	Lemmenjoki	4420
WESB	PA	Bradford	Esa Hänninen	Lemmenjoki	3894
WAZL WARD		Hazleton	Andy Rugg	Montreal	330
WGAL		Johnstown Lancaster	Don Lynch Charles Reh	Lynn	435 354
WBCB		Levittown	Morris Sorensen	Learnington Kirkland Lake, ON	671
WMRF		Lewistown	Niel Wolfish	Toronto	228
WMGW		Meadville	Esa Hänninen	Lemmenjoki	3945
WAGO		Reading	Don Trelford	Scarborough, ON	290
WNBT		Wellsboro	Charles Reh	Learnington	271
WSIB	SC	Beaufort	Steve Francis	Alcoa	416
WGCD		Chester	Steve Francis	Alcoa	174
WMRB		Greenville	Robert Kramer	Chicago	570
WSDC	CD	Hartsville	Russ Edmunds	Little Silver	515
KORN WOPI	SD TN	Mitchell	Charles Reh	Learnington	788
WDXB	114	Bristol Chattanooga	Andy Rugg Carl Dabelstein	Montreal	750 730
WCSV		Crossville	Charles Reh	Lincoln, NE Learnington	440
WITA		Knoxville	Charles Reh	Leamington	427
WJJM		Lewisburg	Mike Csorbay	Canfield	641
WDXL		Lexington	Tom Sundstrom	Willingboro, NJ	825
KNOW	TX	Austin	Roy Millar	Marysville	1779
KBST		Big Spring	John Wilkins	Wheat Ridge	548
KQTY		Borger	Shawn Axelrod	Winnipeg	988
KZZN		Littlefield	Shawn Axelrod	Winnipeg	1125
KDOK KJQN	UT	Tyler	Steve Francis	Alcoa Abisko	690
WKVT	VT	Ogden Brattleboro	Olle Alm Rodney Valdron	Petit Rocher	4449 480
WFAD	¥ #	Middlebury	Mike Csorbay	Canfield	339
WIKE		Newport	Don Trelford	Scarborough	436
WYKR		Wells River	Rodney Valdron	Petit Rocher	395
WCVA	VA	Culpepper	Andy Rugg	Montreal	525
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					2
<b>WPAK</b>		Farmville	Mike Csorbay	Canfield	397
WVEC		Hampton	UK DXPedition £	Sheigra, Scotland	3445
WAYB		Waynesboro	Don Lynch	Lynn	514
KBRO	WA	Bremerton	Esa Hänninen	Lemmenjoki	4239
KVAC		Forks	Esa Hänninen	Lemmenjoki	4229
KEYG		Grand Coulee	Esa Hänninen	Lemmenjoki	4180
KGHO		Hoquaim	Tim Hall	Vancouver, BC	161
KLOG		Kelso	Esa Hänninen	Lemmenjoki	4324
KENE		Toppenish	Esa Hänninen	Lemmenjoki	4294
KTEL		Walla Walla	Esa Hänninen	Lemmenjoki	4295
WXIT	WV	Charleston	Rodney Valdron	Petit Rocher	1030
WTCS		Fairmont	Frank Merrill	Milan	257
WLOH		Princeton	Frank Merrill	Milan	347
WSGB		Sutton	Stephen McIntire	Des Moines, IA	675
WGEZ	WI	Beloit	Shawn Axelrod	Winnipeg	680
WLCX		LaCrosse	Jerry Starr	Youngstown	580
WDLB		Marshfield	Don Trelford	Scarborough	538
WIGM		Medford	Steve Francis	Alcoa	728
WOSH		Oshkosh	Esa Hänninen	Lemmenjoki	3968
KIML	WY	Gillette	Gene Allen	Vallejo	985
KUGR	** 1	Green River	Olle Alm	Abisko KUGDA	4390
KOJO		Laramie	Niel Wolfish	Winnipeg	708
KGOS		Torrington	Shawn Axelrod	Winnipeg	<b>→</b> 614
WMDD	PR	Faiardo	Hank Holbrook	Chevy Chase	1600
CJPR	AB	Blairemore	Esa Hänninen	Lemmenjoki	4053
CBXY		Fahler	Esa Hänninen	Lemmenioki	3631
CFWB	BC	Campbell River	Esa Hänninen	Lemmenjoki	4102
CKGO		Hope	Roy Millar	Marysville	135
CBXN		Natal	Roy Millar	Marysville	375
CKOOI		Oliver	Tim Hall	Banff, AB	227
CKMV	NB	Grand Sault	Christian DeHaes	Chicoutimi	182
VOHF	NF	Harmon Field	Rodney Valdron	Petit Rocher	410
CBDO		Labrador City	Esa Hānninen	Lemmenjoki	2968
CBDJ	NT	Hay River	Esa Hänninen	Lemmenjoki	3281
CKEN	NS	Kentville	UK DXPedition £	Sheigra, Scotland	2591
CKAD	110	Middleton	Chris Lucas	Troy, NY	495
CHVR	ON	Arnprior	Shawn Axelrod	Orleans, ON	210
CHUC	011	Cobourg	Shawn Axelrod	Winnipeg	1027
CKEF		Ear Falls	Niel Wolfish	Winnipeg	227
CHYM		Kitchener	John Wilkins	West Des Moines	691
CFRC		Kingston	Don Voorhies	Oswego	54
CFPS		Port Elgin	Shawn Axelrod	Winnipeg	871
CKLR	PQ	L'Annonciation	Charles Reh	Learnington	490
CKBM	- 4	Montmagny	Russ Edmunds	Little Silver	493
CJMC		Ste-Anne-des-Monts		Espoo, Finland	3810
CJSN	SK	Shaunavon	Esa Hänninen	Lemmenjoki	3930
XERO		Aguascalientas	Tim Hall	40mi W of Puerto Vallarta	226
XEGT		Zamora	Tim Hall	10mi W of Mazatlan, SIN	361
XEDR	SON	Guaymas	Tim Hall	Poway, CA	503
XEMS		Matamoros	Esa Hänninen	Lemmenjoki	532I
HJZB	COL	Tulua	UK DXPedition £	Sheigra	5298
YVRP	VEN	Maracaibo	UK DXPedition £	Sheigra	4747
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$\mathbf{f} = \mathbf{U}\mathbf{K}$	XPedi	tion (Steve Whitt Ma	rk Hattam Clive Ro	omel	

£ = UK DXPedition [Steve Whitt, Mark Hattam, Clive Rooms]



## AM Station Map Book, 2nd ed. \$8.00, postpaid.

Edited by DDXD editor Bill Hale, this book of station location maps is a companion to the AM Radio Log. Now easier to read than ever; the 170-page book is three-hole punched for a ring binder. Data is accurate as of 2-1-93, and updates of individual pages will be available at a nominal cost when a sufficient number of changes have occurred. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



■ Ernest Cooper and his radios in his Provincetown home.

#### Staff Photo by STEVE HEASLIP

## Radio fan listens in to the world

By K.C. MYERS SPECIAL WRITER

ROVINCETOWN — For the past 61 years, Emest Cooper has been awake at 2 a.m.
He is not an insomniac, and his nightly forays have not led to the refrigerator. His insatiable desire is not for calories, but for the sounds of distant places.

Ernest Cooper is a radio addict — his machines, which bring in stations from across the nation and around the globe, have tempted him out of bed in the wee

hours nearly every night of his life. In Provincetown, his home of 18 years, he is drawn nightly to his two hulking Hammartund radios, which occupy the better half of his living room. One built in the 1950s and the other in 1963, these massive machines can pick up AM stations as far away as Estonia. On the FM dial, Cooper has heard a radio program in Colorado. His second-hand Hammartunds use tubes instead of transistors. Cooper says he prefers the older radios because they're easier to adjust if a frequency is off. But his collection of old photographs, yard-sale antiques, marching band and classical alums suggests that Cooper just likes old things, period.

Take his radio hobby, for example, It's

Take his radio hobby, for example. It's called DXing, a name that comes from algebra, the "D" standing for "distance" and the, "X" for a given number. It was popular in the 1930s and '40s when, Cooper says,

"people with their first radios were just thrilled to get stations out of town."

Today, there are about 800 members in the National Radio Club of America, the oldest DX club in the United States, founded in 1933, the same year 14-year-old Cooper began seriously DXing. Two other, smaller clubs have a couple hundred members apiece. Cooper belongs to all three.

For him, it's something of a family tradition.

Copper's father used to tiptoe through their Brooklyn apartment at 1 a.m. to his old Stewart-Warner, where he'd listen for stations far beyond the New York area. His young son, Ernest, was allowed to stay up with him occasionally, when there was no school or church in the morning.

At that time, Cooper says, even with the primitive equipment, it was possible to tune in to stations all over the country because the air waves weren't occupied at might. Most radio stations shut down at midnight, so the few that stayed on had the freedom to roam without being cut off by another, more powerful wave.

another, more powerful wave.

"My father was always trying to get California," says Cooper, 75. "Right after he died, when I was 12, I got KFI in Los Angeles with his radio,"

Cooper says he picked up a latin music station in Buenos Aires in 1938. During World War II, he tuned in to Morocco. He also has letters of verification ("veries," as DXers call them) from Saudi Arabia, Turkey, Hawaii, Estonia, "quite a few European stations" and every state in the union except Alaska.

"I was very against Alasaka becoming the 49th state because I wanted to say I'd heard from every state in the U.S.," says Cooper. "I've just never been able to get Alacke." These days, most stations keep going 24 hours, to the disappointment of DXers all over the world.

"I don't know why all these stations are on all night," says Cooper. "Who listens to them?"

DXing may be fading as a national interest, but radios are still fascinating to Cooper. He's not intrigued by the technical end, mind you — Cooper still doesn't know how to fix a radio — but rather by the machine's ability to connect with faraway places.

"I don't know why. I've been doing it all my life and it's still very exciting to me," he says. "Maybe I'm crazy."

His partner of 34 years, Bob Stinger, thinks Cooper might be onto something there. When asked how he felt about his roomnate waking up at 1 every morning and returning to bed at 3, he says, "If you want an honest answer, I better not say anything."

"He thinks I'm cuckoo," said Cooper. "I go to a convention of the National Radio Club of America every year, and one year I took Bob. I thought he was going to be bored to tears. But I found him by the pool in our hotel surrounded by women. There was this swingers convention there at the same time. I think they thought he was one of them. They were filling him with booze, and he was having the time of his life."

So is Cooper, who also broadcasts a marching-band music show on WOMR-FM in Provincetown, a station he helped found.

"It's the mystery," he says of his DXing hobby, shunning any notion that it might be a sentimental attachment to the past. "It's not knowing what I'm going to hear next that I really like." Professional
Sports
Networks

Barry S. Finkel 10314 S. Oakley

Chicago, IL 60643-2409

Networks Network listings for team sports stations

Here is Major League Baseball network information. It came from Bob Galerstein, Bill Hardy, Todd Brandenburg, Ken Onyschuk, Bob Gilfert, WJR-MI, and the Astros.

There are a few lists that I am missing; if you have them, please send them to me. Ken Onyschuk sent me some Minor League information; that will come in the next column. Note that these network lists are not "final" lists, as stations may be added to lists or be removed from lists. Also, various sources of each list often do not agree on the stations that comprise each network. The footnotes follow the entire list.

Baltimore Orioles 1993	Jon Miller, Fred Manfra, Chuck Thompson
000 WELL DA 000 WALD 1/2	(via Bob Galerstein)
800 WCHA-PA 970 WAMD-MD	
910 WSBA-PA 1000 WIOO-PA H	1280 WHVR-PA 1450 WTBO-MD 1500 WTOP-DC
920 WPTX-MD 1010 WC5T-WV	1340 WEPM-WV WFXX-PA 1590 WETT-MD
930 WFMD-MD 1090 WBAL-MD *	
960 WLVW-MD 1200 WAGE-VA	WKAV-VA 1490 WARK-MD 106.3 WCEM-MD
Boston Red Sox 1993 (EE)	Joe Castiglione, Jerry Trupiano
, ,	(via Bob Galerstein)
550 WDEV-VT 970 WESO-MA	1280 WABK-ME 1400 WHMP-MA 1490 WFAD-VT g
560 WHYN-MA 1080 WTIC-CT	1290 WKNE-NH 1420 WLIS-CT 1510 WNLC-CT
580 WTAG-MA 1230 WNAW-MA	1320 WWWT-VT q WBSM-MA
600 WFST-ME q WODY-ME	1340 WHGS-ME h WBEC-MA h 92.7 WODY-ME ha
610 WGIR-NH WJOY-VT	WSTJ-VT 1450 WKXL-NH WOXO-ME
630 WPRO-RI WMOU-NH	1350 WINY-CT WTSA-VT q 95.9 WUPE-MA q
680 WRKO-MA * WTSV-NH	1370 WDEA-ME 1470 WKZN-ME 96.1 WDEV-VT ha
730 WJTO-ME WERI-RI	1380 WKTJ-ME 1480 WSAR-MA 100.1 WOVR-MA ha
800 WLAD-CT 1240 WHAI-MA	WSYB-VT 1490 WMRC-MA 100.7 WTBM-ME
	1400 WILL CT WILL IN 101 O WOLD MA
860 WSBS-MA g WSYY-ME	1400 WILI-CT         WIKE-VT         101.9 WCIB-MA           WIDE-ME         WKVT-VT         102.3 WKXL-NH ha           WTSL-NH         WTVL-ME b 102.5 WQSS-ME
870 WLAM-ME 1250 WARE-MA 910 WFNS-FL h 1270 WTSN-NH	WIDE-ME WKVT-VT 102.3 WKXL-NH ha
910 WENS-FL N 1270 WISN-NH	WISL-NH WIVE-ME b 102.5 WQSS-ME
WABI-ME 1280 WEIM-MA	WLTN-NH WEMJ-NH 103.1 WDME-ME h
Roston Red Sox 1993 (SS)	Hector Martinez, Bobby Serrano
200 (01)	(via Bob Galerstein)
950 WROL-MA w*	99.5 WSSH-MA n
California Angels 1993 (EE)	
590 KRSO-CA 1230 KPRL-CA	(via Bill Hardy and Martin Foltz) 1340 KIKO-AZ 1350 KBID-CA 1400 KTUC-AZ
710 KMPC-CA * KLAV-NV 1080 KWAI-HI 1250 KDHI-CA	KGLW-CA 1360 KNNS-AZ M 1430 KAMP-CA KIST-CA 1380 KHJJ-CA
1080 KWAI-HI 1250 KDHI-CA	KT21-CV T380 KHJJ-CV
California Angels 1993 (SS)	Ulpiano Cos Villa, Rubin Valentine
1090 XEPRS-BC *	orprano cos verta, nabin varencine
Chicago White Sox 1993 (EE)	John Rooney Ed Farmer
(11)	(via Ken Onyschuk and Bob Galerstein)
670 WMAQ-IL * 1240 WTAX-IL E	1520 WLUV-IL E 95.1 WZZT-IL 98.3 WBYS-IL E
860 WGOM-IN 1270 WEIC-IL E	1550 WJIL-IL F 96.7 WLUV-IL E 101.7 WTAY-IL E
880 WINU-IL 1320 WKAN-IL	1570 WTAY-TI F 97 7 WERX-TI F 104 9 WGEN-TI O
980 WITY-IL E 1330 WRAM-IL F	WIFF-IN WMOI-IL F 105.5 WDND-IL
1050 WTCA-IN F 1450 WLYV-IN F	WIFF-IN WMOI-IL F 105.5 WDND-IL 1580 WAMJ-IN WLQI-IN 107.7 WMRS-IN 98.1 WIBN-IN
1220 WOSA-FL 1490 WZOE-IL	98.1 WIBN-IN
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580	WKTY-	WI	1230	WIKB-MI		1380	WBEL-IL		1590	WTOQ-WI	97.1	WCOW-WI g	
	WJMS-			WCLO-WI		1400	WDUZ-WI				98.3	WCQM-WI	
	- CMTW		1240	WOMT-WI			WBIZ-WI		92.1	WRLS-WI	99.1	WIKB-MI	
	WDBC-		11.10	WOBT-WI			WRDB-WI			WJPD-MI h		WIGM-WI	
				WJMC-WI			WATW-WI			WDUX-WI q		WOWN-WI	
	WDOR-		1200		g	1420	WRDN-WI		32.1	WLDY-WI		WWIS-WI h	
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	WTCH-			WEKZ-WI		4 4 5 0	WBEV-WI			WEKZ-WI		WDDC-WI	
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980	WPRE-	-WI	1290	MCOM-MI	g		KFIZ-WI		-	WPRE-WI		WISS-WI	
1010	WSP0-	-WI	1310	WIBA-WI			WRCO-WI		94.5	WRJO-WI	105.3	WRLO-WI	
1050	WLIP-	-WI	1320	WFHR-WI		1490	WIGM-WI		95.9	WRDN-WI	106.3	WEVR-WI	
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	KWOA-			KOWO-MN			KXPO-ND		1450	KBMW-MN	92.5	KKWQ-MN	
	KFGO-			KWMB-MN			KTOQ-SD			WELY-MN		KSCR-MN	
				KWNO-MN			KIJV-SD			KATE-MN		KDOM-MN	
	KQAD-		1230	KGHS-MN			KWLM-MN			KBUN-MN	31.3	KMSR-MN	
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	KNUJ			KTRF-MN			WCMP-MN			KLTC-ND		KJJK-MN	
	KJJQ.		1240	WJON-MN			KSUM-MN			KWSL-IA		KOLV-MN	
920	KWAD	-MN		KDLR-ND			KLIZ-MN		1480	KAUS-MN		KQLW-MN	
930	KKIN	-MN	1260	KROX-MN		1390	KRRZ-ND			KGCX-MT	102.9	KBWS-SD	
	KSDN	-SD	1270	KLXX-ND		1400	KVFD-IA		1490	KOVC-ND	103.1	KFIL-MN	
950	KWAT	-SD	1290	KSCR-MN			KMHL-MN			KNDC-ND	105.5	KMGM-MN x	
	KDSJ			KGLO-IA			KEYL-MN		1580	KDOM-MN	105.9	KMIT-SD	
	WISM			KNOX-ND			WHLB-MN			KLLR-MN		KQLX-ND	
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730	KULE	-WA		KQQQ-WA			KXRO-WA		1496	KVAC-WA	100.7	KIRO-WA s	
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-	WWLS			WKII-FL			KFCA-AR			KXTD-OK		KHOX-AR G	
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560 WIND-IL \*p Cleveland Indians (1/21/93) Herb Score, Tom Hamilton (via Bob Galerstein) 1260 WRIE-PA 910 WBR.1-OH 1430 WF0B-0H 1510 WVAC-OH hl 920 WMNI-OH 1340 WSTV-0H 1450 W.JER-OH WLKR-OH a 92.7 WOEL-OH 930 WEOL-OH 1370 WSPD-0H WLEC-OH 1520 WBNO-OH g 95.3 WLKR-OH hl 960 WKVX-0H WWCB-PA WQCT-OH h 100.9 WBNO-OH 1460 WBKC-OH 970 WFUN-OH 1400 WMAN-OH 1470 WROO-PA 1540 WBTC-OH h 104.5 WQKT-OH 1220 WKNR-OH \* 1410 WD0E-NY 1480 WHBC-OH 1550 WDLR-OH 107.1 WDOH-OH 1240 WBBW-OH 1430 WCLT-0H 1490 WMRN-OH 1590 WAKR-OH 107.3 WYBZ-OH Detroit Tigers 1993 Rick Rizzs, Bob Rathbun, Ernie Harwell (via Bill Hardy and WJR-MI) 1230 WCUZ-MI 580 WTCM-MI 1380 WPLB-MI 1460 WBRN-MI 97.7 WMRX-MT 590 WKZO-MI WSOO-MI 1400 WCCY-MI 1490 WMPX-MI 98.3 WCSY-MI 760 WJR -MI 1240 WCBY-MI WOXO-MI WTIO-MI WHCH-MI 790 WSGW-MI IM-MICW 1430 WION-MI WSTP-NC 100.1 WSHN-MI 850 WKBZ-MI 1280 WFYC-MI 1450 WNBY-MI 100.9 WBRN-MI 900 WSNO-MI 1320 WDMJ-MI WHTC-MI 92.9 WKJF-MI 104.3 WCZY-MI 930 WBCK-MI 1340 WMBN-MI WATZ-MI 93.7 WNBY-MI 104.7 WYKX-MI 1050 WTKA-MI 1360 WHNR-FL WKLA-MI 95.3 WMJZ-MI WKJC-MI Kansas City Royals 1993 Denny Mathews, Fred White (via Todd Brandenbura (KC Star 4/4/93) and Bill Hardy) 1240 KNEM-MO 1430 KKOZ-MO 560 KWT0-M0 1580 KNIM-MO 96.7 KANS-KS i 580 WIBW-KS \* KFOR-NE KRGI-NE i 1590 KVGB-KS 97.7 KAY0-M0 610 WDAF-MO 1270 KSCB-KS 1440 KCHE-IA 1600 KMD0-KS KNCY-NE 620 KMNS-IA KTRT-OK 1450 KWBW-KS KTTN-MO 98.7 KSPG-KS jf 680 KFEQ-MO 1280 KSOK-KS KYNT-SD KNCY-NE 99.3 KNIM-MO i 690 KGGF-KS 1290 KLEH-IA KOKO-MO KUTT-NE 750 KJEL-MO KWLS-KS WMBH-MO 92.1 KCHE-IA 99.9 KBFL-MO 790 KXXX-KS KOIL-NE KLMX-NM KMZA-KS 100.1 KLRK-MO v 860 KKOW-KS 1300 KMMO-MO KBFS-SD KTTN-MO 100.3 KOLS-KS 880 KRVN-NE 1310 KGMT-NE 1460 KKOY-KS KMOE-MO 100.9 KCLY-KS 960 KMA -IA 1330 KFCA-AR vK 1470 KERE-KS WCAZ-IL 101.1 KFNF-KS KNEB-NE 1340 KGFW-NE 1480 KZSN-KS 92.3 KBUG-MO 101.7 KIND-KS 990 WCAZ-IL 1350 KMAN-KS 92.7 KTOD-AR jy102.9 KMMO-MO 1490 KXLQ-IA KRSL-KS 1360 KSRX-KS f KDMO-MO KIDA-IA i 103.1 KNDY-KS KRMO-MO KSPG-KS i KDRO-MO 93.1 KY00-MO jr103.7 KIRK-MO 1010 KCHI-MO 1370 KGNO-KS KTTR-MO 93.5 KLKC-KS 103.9 KOMB-KS 1060 KNLV-NE KAWL-NE 1510 KANS-KS KWME-KS KCHI-MO 1150 KWKY-IA 1390 KNCK-KS KMRF-MO 94.3 KZMO-MO KNLV-NE KRMS-MO 1400 KAYS-KS 1530 KMAM-MO 94.5 KEZU-KS cj KNZA-KS KSAL-KS KBZZ-CO i 1540 KNGL-KS 95.3 KCKS-KS 105.5 KELR-IA 1190 KVSV-KS KV0E-KS KLKC-KS KDKD-MO KC0E-NE 1200 KY00-MO 1420 KJCK-KS 1550 KKLE-KS 95.5 KAAN-MO 95 KQSM-KS u 1220 KOMC-MO KBTN-MO 1570 KLEX-MO 95.9 KCAY-KS 105.7 KXKX-MO 1230 KTNC-NE KULY~KS 1580 KTGR-MO 96.7 KBBE-KS 106.3 KY00-M0 r 1240 KIUL-KS KZMO-MO KESM-MO KQDF-KS j 106.7 KFXX-KS

Chico Carrasquel



Chicago White Sox 1993 (SS)

# "Latin America on the Air"

60 minutes of air checks from Latin America and the Caribbean, 23 countries including most of South America, the Falkland Islands, and more, in a storage case. Order DXC/4, for \$7.50, from NRC Publications; NY orders, please add sales tax.

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Texas Rangers 1993 (S 910 KXEB-TX *	SS) Jorg	ge Infante	, Mar	io Montez	:		
Toronto Blue Jays 199	3 Tom	Cheek, Je					
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Atlanta Braves 1993	Ski	p Caray, P	ete			e <b>Simp</b> so ill Hardy	
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		WMFC-AL		WVLD-GA		WYSC-GA	
		WCHL-NC		WTAL-FL	95.9	WKXN-AL	m
590 WCAB-NC W		WZPQ-AL	1460	WBCU-SC		WDXE-TN	
610 WCEH-GA W	VFAI-NC 1370	WCOA-FL	1470	WRGA-GA	96.7	WMKJ-GA	
WAQS-NC W	VSKY-NC	WLOP-GA o		WCLA-GA		WVMG-GA	
630 WAVU-AL W	VGGG-FL 1380	WGYV-AL m	1480	WAJA-NC	97.7	WKLD-AL	
640 WGST-GA * 1240 W	/BGC~FL	WTOB-NC	1490	WHBB-AL		WISK-GA	C
690 WJOX-AL W	WNS-GA	WLRV-VA		WRLD-GA	97.9	WDMT-AL	
710 WKRG-AL W	MAVN-MS 1390	WXTC-SC		WLOE-NC	98.3	WWKT~SC	
WFNR-VA W	VDXY-SC 1400	WTXQ-AL		WSVM-NC		WINJ-TN	
730 WOHS-NC W	VBHB-GA	WAVD-AL		WGCD-SC	98.7	WISK-GA	C
WLIL-TN W	VLAG-GA	WWRK-GA		WSNT-GA		WBAW-SC	
		WCOS-SC		WCHM-GA	99.3	WMFC-AL	
	ILIK-TN	WJHO-AL		WSFB-GA	99.9	WACQ~AL	
	PID-AL	WNUE-FL	1520	WKVQ-GA		WBNK-VA	
	YSAT-NC	WCOH-GA		WNWS-TN		WIFM-NC	
		WEGO-NC		WCCP-SC k	101.9		
		WACT-AL		WCRL-AL		WSGC-GA	
	/CHY-GA	WRCG-GA	1590	WVNA-AL		WQTU-GA	
	MTN-TN	WPEH-GA		WTGA-GA		WMJE-GA	
	HEP-AL	WMYN-NC	4.600	WCSL-NC		WRIX-SC	
	VTIK-NC	WKSR-TN	1600	WFIS-SC		WMTY-SC	
		WLTG-FL	02.4	WIZE AT	103.9	WQLS-AL	
		WGFS-GA	92.1	WKUL-AL	404 5	WDDK-GA	
		WHHY-AL		WBTR-GA		WGPC-GA	
	MLT-GA	WLXN-NC		WWRK-GA		WCCP SC	
		WVMG-GA WDLK-AL	02 5	WPEH-GA		WIFO-GA	0
		WMVG-GA		WOKF-GA	T60.2	WKNU-AL	
				WLIQ-TN	100 7	WGMK-GA	
	WBGN-KY	WGNC-NC		WZLA-SC		WAMB-TN	а
	VKRM-TN VBAC-TN	WHSC-SC WGNS-TN		WLIL-TN WPUB-SC	107.1	WCLA-GA	
	/GAU-GA	WDNG-AL	J4. J	WIST-TN B			
-	HAP-VA	WBHF-GA	94.5	WIST-TN B			
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37213 (800-251-3038; mentio	n "DX" for convention	n rate): the rec	m rate	l - 211 North   is \$45 for 1-4	necure.	- INASTIVITE	, IIV
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through June 15). Advance registration is \$25; at the door, \$30. We'll be looking for you!

				31
Chicago Cubs 19 Ron Santo	993	Harry Caray		Thom Brennaman,
				Bob Galerstein)
570 KNAX-SD	1290 WIRL-IL	1450 WLYV-IN F	1550 KIWA-IA	97.7 WFRX-IL F
720 WGN -IL *	1310 KOKX-IA I	WFMB~IL	KAPE-MO	98.5 WXXQ-IL
740 WLWI-AL D	WGH -VA J	1460 WKAM-IN	1560 WIFF-IN	102.3 WRHL-IL
910 WAKO-IL	1320 WNGO-KY	KENO-NV N	1570 WFRL-IL	103.1 WAKO-IL
920 WMOK-IL	1330 WRAM-IL F	1470 WQSN-MI	1590 WPCO-IN	104.9 WAXI-IN
930 WHON-IN	1350 KRNT-IA	WHUT-IN	KWBG-IA	WGEN-IL Q
960 WSBT-IN	1370 KDTH-IA	1480 WRSW-IN	1600 KCRG-IA	105.5 KIWA-IA
1020 WCIL-IL	1380 KCIM-IA	1490 WDAN-IL	1000 KCKG IA	107.1 WBNL-IN
			04 2 WINT IN	107.1 WRSW-IN
1050 WDZ -IL	1400 WBAT-IN	1500 WGEN-IL I		107.5 WK3W-1W
WTCA-IN F		WCWC-WI	95.9 WKUZ-IN	
1060 WRHL-IL	WDWS-IL I		96.9 WLBH-IL	
	1410 WGRD-MI	1540 WBNL-IN	97.5 WDWS-IL	
1250 KCFI-IA	1440 WGEM-IL	1550 WJIL-IL F	97.7 WMOI-IL F	
Cincinnati Red	legs 1993	Marty Brenna	ıman, Joe Nuxha	ll (via Bill Hardy)
560 WJLS-WV	1240 WHIZ-OH	1440 WMDJ-KY	92.7 WCMI-KY	103.9 WRBI-IN
580 WCHS-WV	1250 WOFR-OH	WRRO-OH		
			WPMW-WV	WIMC-IN
610 WTVN-OH	1260 WNDE-IN	1450 WXVW-IN	94.1 WAXS-WV	WXKQ-KY
620 WDNC-NC	1290 WHIO-OH	1490 WKBV-IN	94.3 WRCR-IN	104.1 WLBC-IN
680 WCTT-KY	WVOW-WV	WFKY-KY	WKKI-OH	WPAY-OH
700 WLW -OH *	1300 WLXG-KY	WBEX-OH	95.3 WNDI-IN	104.9 WWWY-IN
740 WLWI-AL D	1320 WLOH-OH	WJOC-TN	95.9 WFTM-KY	WKYW-KY
WRNR-WV	1330 WTRE-IN	WOMI-KY	96.7 WKOV-OH	WWKC-OH
920 WTCW-KY	WYPC-OH	WSIP-KY	WBVI-OH	105.1 WRNZ-KY
930 WTKZ-WV	1340 WLBC-IN	1520 WOOO-IN	99.5 WBKW-WV t	105.5 WSWV-VA
970 WATH-OH	1370 WGOH-KY	1550 WNDI-IN	100.1 WMDJ-KY	105.9 WHAY-KY
990 WJEH-OH	1380 WHRS-KY	₩CVL-IN	100.9 WPGW-IN	106.1 WRZZ-WV
1050 WGAT-VA	1390 WBLL-OH	1570 WSWV-VA	101.5 WMGG-OH	106.7 WSRW-OH
1150 WIMA-OH	1400 WPAY-OH	1590 WSRW-OH	101.7 WMCQ-KY	107.3 WCTT-KY
1230 WIRO-OH	WVRC-WV	1600 WBLY-0H	101.9 WVOW-WV	107.5 WZLK-KY
1240 WFTM-KY	WBTH~WV		102.3 WFPC-IN	
WSFC-KY	1440 WPGW-IN	92.1 WMP0-0H	WUGO-KY	wbiic
Coloredo Podel	4003	M	1-66 1/2	Mr. Y.
Colorado Rocki			Jeff Kingery	colid widthits
850 KOA -CO *	(1	do not have the	Rockies' list.)	AM1170
				VIVI I I V
Florida Marlins	1993	Joe Angel, Da	ve O'Brien	(via Bob
Galerstein)				
540 WGTO-FL	600 WOKV-FL	1230 WJNO-FL	1350 WLMA-SC	
560 WQAM-FL *	1130 WWBF-FL	1240 WFOY-FL	1380 WELE-FL	99.3 WLRQ-FL
590 WGNE-FL	1200 WDCQ-FL	1330 WJNX-FL	1500 WKIZ-FL	
Houston Astros	1993 (FF)	Milo Hamilto	n, Larry Dierk	er. Vince
Cotroneo, Bill		THE THUMBER		y and the Astros)
560 KLVI-TX	1230 KERV-TX	1330 KDOK-TX	1450 KCTI-TX	92.7 KIVY-TX
580 KALB-LA	KSIX-TX	1340 KAMG-TX	1460 WACO-TX	94.7 KVLL-TX
710 KURV-TX	1250 KZEP-TX	KRBA-TX	KRME-TX	98.3 KULM-TX
790 KKYR-AR	1260 KXQZ-TX			
860 KSFA-TX	1280 WQUE-LA G	1350 KTXJ-TX	1470 KLCL-LA	98.5 KRXT-TX
	-	1390 KULP-TX	KUOL-TX	102.3 KDET-TX
910 KNAF-TX	KWHI-TX	1400 KEBE-TX	1490 KVLL-TX	105.3 KHOX-AR G
930 KDET-TX	1300 WIBR-LA	KTEM-TX	KIBL-TX	106.3 KPJN-TX
950 KPRC-TX *	KFLO-LA	KYLR-TX	1520 KRJH-TX	
1080 WFIV-FL	KVET-TX	1440 KMLB-LA		
1150 WTAW-TX G	1330 KFCA-AR K	KPUR-TX	92.7 KTOD-AR P	
Houston Astros	1993 (\$\$)	Ernesto Ruiz,	Manny Lonez	(via Bill Hardy)
,.020 ton 13 ti 03		Lineses Ruiz,	copez	(Tid Bill Hurdy)
1320 KXYZ-TX *	1530 KGBT-TX			

Los Angolos Dodgona 1002 (FF)	
	) Vin Scully, Don Drysdale, Ross Porter
Los Angeres bougers 1999 (EE	(via Bob Galerstein and Martin Foltz)
610 KAVL-CA 920 KVEC-CA	1240 K1AA-A7 1240 WSTA VT n 1560 VNZD CA
690 KVNA-AZ e 950 KNFT-NM	KLOA-CA 1370 WAXE-FL p 1570 KUAU-HI p
720 KDWN-NV 990 KTKT-AZ	1250 KTMS-CA 1400 KEYY-CA
760 KGU -HI p 1140 KCMJ-CA	1300 KROP-CA 1440 KUHL-CA 92.7 KAKT-CA
790 KABC-CA * 1230 KBOV-CA	1310 KTOO-CA 1450 KVEN-CA
910 KVVQ-CA KYVA-NM p	KLOA-CA 1370 WAXE-FL p 1570 KUAU-HI p  1250 KTMS-CA 1440 KEYX-CA  1300 KROP-CA 1440 KUHL-CA 92.7 KAKT-CA  1310 KIQQ-CA 1450 KVEN-CA  1320 KHSJ-CA KMSL-MT p
Los Angeles Dodgers 1993 (SS)	) Jaime Jarrin, Rene Cardinas
	(via Bob Galerstein and Martin Foltz)
910 KOXR-CA 1010 KCHJ-CA	1280 KDOL-NV 1330 KWKW-CA * 1490 KICO-CA
Montreal Expos 1993 (EE)	Dave Van Horne, Ken Singleton, Elliott
Price	
(I (	do not have the Expos' English list.)
600 CIQC-PQ *	
Montreal Event 1003 (FE)	1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P
Montreal Expos 1993 (FF) Chantelois	Jacques Doucet, Rodger Broulette, Alain
	to pot hove the format form 1 2:
730 CKAC-PQ *	to not have the Expos' French list.)
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New York Mets 1993 (EE)	Bob Murphy, Gary Cohen
101 K 14003 1555 (CE)	1 )/ === )
660 WFAN-NY * 950 WIBX-NY	(via Bill Hardy) 1490 WCDO-NY 1570 WFLR-NY 101.7 WRCZ-MA
870 WHCU-NY 1340 WALL-NY	1520 WWKB-NY 1590 WPSL-FL WBAZ-NY
930 WIZR-NY 1450 WKIP-NY	1540 WPTR-NY
New York Mets 1993 (SS)	Billy Berroq, Armand Talavera, Juan Alicea,
Renato Morffi	y such Acces,
620 WSKQ-NY *	
Philadelphia Phillies 1993	Harry Kalas, Chris Wheeler, Andy Messer,
	via Bob Galerstein)
590 WARM-PA 1210 WOGL-PA *	1270 WLBR-PA 1390 WRSC-PA 1490 WAZL-PA
790 WAEB-PA 1230 WCMC-NJ	1320 WGET-PA 1400 WOND-NJ WNBT-PA
850 WEEU-PA WBPZ-PA 960 WPMR-PA WKBO-PA	1350 WOYK-PA L WRAK-PA WLPA-PA O
	1360 WPPA-PA 1420 WCOJ-PA
	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA
1150 WDEL-DE 1240 WYGL-PA	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA
1150 WDEL-DE 1240 WYGL-PA Pittsburgh Pirates 1993	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA Lanny Frattare, Jim Rooker, Kent
1150 WDEL-DE 1240 WYGL-PA Pittsburgh Pirates 1993 Derdivanis, Steve Blass	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein) 1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV
Pittsburgh Pirates 1993 Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g
Pittsburgh Pirates 1993 Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g  1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h
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1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV 1150 WHUN-PA 1350 WOYK-PA gL:	Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein) 1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g 1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h 1430 WVAM-PA WESB-PA 103.1 WANB-PA 1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA 1450 WFRA-PA 1580 WANB-PA 107.1 WEXC-PA WWAJ-PA 1590 WCBG-PA WJPA-PA 1600 WPDC-PA 1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV WTRN-PA 1150 WHUN-PA WHAR-WV 1160 WCCS-PA 1350 WOYK-PA gL 1230 WBVP-PA g 1390 WHOT-OH  San Diego Padres 1993 (EE)	Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g  1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h  1430 WVAM-PA WTCS-WV 102.1 WOWQ-PA WEIR-WV WESB-PA 103.1 WANB-PA  1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA  1450 WFRA-PA 1580 WANB-PA WMAJ-PA 1590 WCBG-PA WJPA-PA 1600 WPDC-PA  1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman (via Bill Hardy)
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV WTRN-PA 1150 WHUN-PA 1350 WOYK-PA gL 1230 WBVP-PA g 1390 WHOT-OH  San Diego Padres 1993 (EE)	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein) 1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g 1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h 1430 WYAM-PA WTCS-WV 102.1 WOWQ-PA WEIR-WV WESB-PA 103.1 WANB-PA 1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA 1450 WFRA-PA 1580 WANB-PA 107.1 WEXC-PA WMAJ-PA 1590 WCBG-PA WJPA-PA 1600 WPDC-PA 1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman (via Bill Hardy) 1230 KINO-AZ 1360 KNNS-AZ M 1460 KENO-NV N
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV WTRN-PA 1150 WHUN-PA 1350 WOYK-PA gL 1230 WBVP-PA g 1390 WHOT-OH  San Diego Padres 1993 (EE)	Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g  1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h  1430 WVAM-PA WTCS-WV 102.1 WOWQ-PA WEIR-WV WESB-PA 103.1 WANB-PA  1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA  1450 WFRA-PA 1580 WANB-PA WMAJ-PA 1590 WCBG-PA WJPA-PA 1600 WPDC-PA  1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman (via Bill Hardy)
Pittsburgh Pirates 1993 Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV WTRN-PA 1150 WHUN-PA 1350 WOYK-PA gL 1230 WBVP-PA g 1390 WHOT-OH  San Diego Padres 1993 (EE)  660 KTNN-AZ 1230 KAAA-AZ 760 KFMB-CA * KXO -CA	Lanny Frattare, Jim Rooker, Kent  (via Bob Galerstein)  1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g  1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h  1430 WVAM-PA WESB-PA 103.1 WANB-PA 1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA  1450 WFRA-PA 1580 WANB-PA 107.1 WEXC-PA WJPA-PA 1600 WPDC-PA  1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman (via Bill Hardy)  1230 KINO-AZ 1360 KNNS-AZ M 1460 KENO-NV N  1480 KKAL-CA 1450 KSGI-UT
1150 WDEL-DE 1240 WYGL-PA  Pittsburgh Pirates 1993  Derdivanis, Steve Blass 590 WMBS-PA 1230 WTIV-PA g 600 WFRM-PA 1250 WMSG-MD g 940 WESA-PA 1270 WCBC-MD 990 WTIG-OH 1280 WKST-PA WVSC-PA 1310 WNAE-PA 1000 WIOO-PA H 1330 WEYZ-PA 1020 KDKA-PA * WETZ-WV 1050 WMSG-MD 1340 WCVI-PA WADC-WV WTRN-PA 1150 WHUN-PA 1350 WOYK-PA gL 1230 WBVP-PA g 1390 WHOT-OH  San Diego Padres 1993 (EE)	1390 WKLP-WV 1440 WREY-NJ 105.5 WCHX-PA  Lanny Frattare, Jim Rooker, Kent (via Bob Galerstein) 1400 WKBI-PA 1480 WCNS-PA 93.5 WBNV-OH WJRV-PA h 1490 WOHI-OH 94.7 WELK-WV WKWK-WV WNTJ-PA 96.5 WVNW-PA g 1420 WBRD-FL WMGW-PA 100.9 WRAX-PA h 1430 WYAM-PA WTCS-WV 102.1 WOWQ-PA WEIR-WV WESB-PA 103.1 WANB-PA 1440 WAJR-WV 1540 WECZ-PA 105.5 WPXZ-PA 1450 WFRA-PA 1580 WANB-PA 107.1 WEXC-PA WMAJ-PA 1590 WCBG-PA WJPA-PA 1600 WPDC-PA 1460 WMBA-PA 1470 WZGO-PA 92.1 WXIE-MD h  Ted Leitner, Bob Chandler, Jerry Coleman (via Bill Hardy) 1230 KINO-AZ 1360 KNNS-AZ M 1460 KENO-NV N

Saint Louis C	ardinals 1993	Mike Shannon,	Jack Buck	
				(via Bill Hardy)
560 WHBQ-TN	1230 KBTM-AR	1430 WYMC-KY	92.9 WSEI-IL	100.7 KOKR-AR
690 KEWI-AR	WLLR-IL	KQLL-0K	93.5 WKBL-TN	100.9 KTUI-MO
740 WVLN-IL	1240 KTLO-AR	1440 WRAJ-IL	93.7 WTKB-TN	
800 KVOM-AR	WENK-TN	1450 WKEI-IL	94.3 WDXR-IL	
KAGH-AR	KBIZ-IA	WDXR-KY	KQMX-MO	102.1 KJFM-MO
860 KOSE-AR	WTAX-IL E	KWPM-MO	94.5 KKLR-MO	102.3 KJPW-MO
WSON-KY	KFMO-MO	KIRX-MO	95.1 KCZE-IA	KDEX-MO
900 KHOZ-AR	KWOS-MO	WTRO-TN	KLGS-MO	KCZQ-IA
KFAL-MO	WWZQ-MS	1460 WROY-IL	95.3 KOKX-IA	WEBQ-IL
	1250 WRAY-IN	WIXN-IL	KMAQ-IA	₩RMJ-IL
940 WMIX-IL	1270 WEIC-IL E	1470 WMBD-IL	WMSK~KY	WCBL-KY
960 KZIM-MO	1310 KOKX-IA I	WNAU-MS	95.7 WCRC-IL	103.1 KLOW-MO
980 WITY-IL E		1480 WTHI-IN	95.9 KSAR-AR	103.9 KPOC-AR
1050 KSIS-MO	KXEO-MO	1490 KDRS-AR	KCHA-IA	₩XIS-TN
1070 KHMO-MO	KBTA-AR	1500 WGEN-IL I	KKBL-M0	104.7 WLMD-IL
1090 WCRA-IL	WJPF-IL	1520 WLUV-IL E	96.3 KHLS-AR	KRES-MO
1120 KMOX-MO *		KMPL-MO		E 104.9 KAGH-AR
1130 WSJP-KY	WBIW-IN	1550 WMSK-KY	WKXQ-IL	WGEN-IL Q
1220 KJAN~IA	1360 KFFA-AR	KSFT-MO	WFML-IN	KPWB-MO
WLPO-IL	1390 KCRC-OK	1570 WTAY-IL E	KMEM-MO	105.1 WGEM-IL
1230 KCON-AR	WTJS-TN	WTRB-TN	97.5 WBBA-IL	105.3 WWZQ-MS
KWAS~MO	1400 WDWS-IL I	1580 KCHA-IA	KOEA-MO	105.5 KTEI-AR
WBBZ-OK	WGIL-IL	WBBA-IL	98.1 WRAY-IN	KILJ-IA
KFPW-AR	KFRU-MQ	1590 KDEX-M0	98.3 KTLO-AR	106.3 KMIS-MO
WJBC-IL	1410 KGRN-IA			E 107.1 WEAI-IL
WHCO-IL	WTIM-IL	92.7 KCZY-IA	99.3 WZLT-TN	107.9 WAMW-IN
WHOP-KY	1420 KXOW-AR		100.1 KYFM-OK	
KLWT-MO	WINI-IL	KLOZ-MO	100.3 KGAR-MO	
San Francisco	Giants 1993	Ted Robinson	. H <b>enk G</b> reenw	wald. Barrv Tomki

San Francisco Giants 1993 — Ted Robinson, Henk Greenwald, Barry Tomkins (via Bob Galerstein)

600 KHTE-CA 990 KHVH-HI 1270 KJUG-CA 1360 KFIV-CA 1150 KAGO-OR KPLY-CA 1380 KSMJ-CA 620 KWSD-CA 680 KNBR-CA \* KBAI-CA 1300 KYN0-CA 1540 KLAU-CA 730 KB0Y-0R 1240 KSUE-CA 1340 KATA-CA 1560 KIQS-CA



- \* Flagship station of the network
- a The Red Sox list from BG has calls without frequencies; I do not know if AM or FM or both stations with the same call carry the broadcasts.
- b The Red Sox list has a typo "WTLV".
- c Call shown as "KEZÜ" by team, possible recent change from KSKL. KEZU calls shown on 104.7 in Booneville AR on 3/18/93".
- d Temporary FM station because of Cuban interference to 1160 AM.
- e This station is in the BG and MF lists but not in the BH list.
- f Listed as "KSPG 1360 El Dorado". Could be KSRX-1360 El Dorado or KSPG-98.7 Clearwater.
- g This station is in the BG list but not in the BH list.
- h This station is in the BH list but not in the
- i This station is in the TB list but not in the BH list.
- j This station is in the BH list but not in the TB list.

- k Listed as "WCCP-FM 104.9 Clemson". Could be WCCP-1560. Could be a new 104.9 outlet not shown in M Street or FM Atlas for Clemson area".
- l Listed as "WLKR-AM 1510 Norwalk". Could be WVAC-1510 or WLKR-FM-95.3.
- m Listed as "WKXN-FM 1380 Greenville". Could be WGYV-1380 or WKXN-95.9.
- n This station broadcasts night games only.
- o Listed as "WIFO-AM 1370 Jesup". Could be WLOP-1370 or WIFO-FM-105.5.
- p These stations carry only a partial schedule.
- q The BG list has KDUX, the BH list has WDUX.
- r Listed as 106.3 by team, but M Street and FM Atlas list KYOO-FM as 93.1.
- s Games air on KIRO-AM 710 except in cases of conflict, when games may air on KIRO-FM 100.7".
- t Call shown as "WBKW" by team, possible recent change from WJLS-FM. WBKW calls shown on 91.5 in Dublin VA on 3/18/93.
- u Call shown as "KQSM" by team, possible recent change from KKOY-FM.

- v The TB list has 101.1 for KLRK-MO; the BH list has 100.1.
- w This station broadcasts weekend games
- x The Twins' list has "KMGM 105 FM".
- y Listed as "KTOD 1330 Conway". Could be KFCA-1330 or KTOD-92.7.
- A KQQQ-WA will move from 1150 to 650.
- B WIST-TN will move from 94.3 to 94.5.
- C WISK-GA will move from 97.7 to 98.7.
- D This station carries Chicago Cubs and Cincinnati Redlegs.
- E These stations carry Chicago White Sox and Saint Louis Cardinals.
- F These stations carry Chicago White Sox and Chicago Cubs.
- G These stations carry Houston Astros and Texas Rangers.
- H This station carries the Orioles and the Pirates.

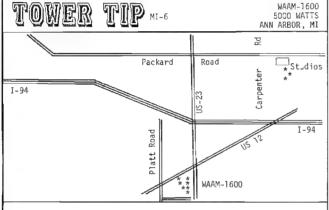
- I These stations carry Chicago Cubs and Saint Louis Cardinals.
- J This station carries Chicago Cubs and Atlanta Braves.
- K This station carries Houston Astros, Texas Rangers, and Kansas City Royals.
- L This station carries Pittsburgh Pirates and Pittsburgh Phillies.
- M This station carries San Diego Padres, Oakland Athletics & California Angels.
- N This station carries Chicago Cubs and San Diego Padres.
- O This station carries Baltimore Orioles and Pittsburgh Phillies.
- P This station carries Kansas City Royals, Houston Astros, and Texas Rangers.
- Q This station carries Chicago White Sox, Chicago Cubs, and Saint Louis Cardinals.

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WHAT TO LOOK FOR: Seven equi-height towers in a "V" pattern; there is a "WAAM" sign visible from route US-23. It is not clear what the three towers are for at the studio site up on Packard Road.

CONTRIBUTED BY: Harold Frodge, Midland, MI



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# Geomagnetic Summary

Phil Bytheway 9705 Mary NW Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

#### Geomagnetic Summary February 4 1993 through March 2 1993

Date	FLUX	A	K	SA	GEO	ETC
2/4	147	6	1	moderate	quiet	_
5	160	6	1	low	quiet	swa
6	184	2	3	high	quiet	maf/swa
7	176	18	4	low	quiet-active	swa
8	188	29	4	low	unsettled-mis	_
9	185	17	2	moderate	unsettled-active	swa
10	180	11	3	moderate	unsettled	swa
11	173	14	4	moderate	quiet-unsettled	swa
12	149	11	3	low	quiet-unsettled	swa
13	135	9	3	low	quiet-unsettled	swa
14	141	5	1	moderate	quiet	swa.
15	135	1	1	low	quiet	swa
16	134	8	1	moderate	quiet-unsettled	swa
17	124	28	1	high	quiet-mis	maf/swa
18	126	12	3	moderate	quiet-active	swa
19	116	7	3	low	unsettled-quiet	swa.
20	123	22	1	moderate	active-quiet	swa
21	123	17	3	low	unsettled-active	swa.
22	133	18	3	1ow	unsettled-active	swa
23	132	6	2	low	quiet-active	swa
24	136	4	3	low	quiet	swa
25	128	6	1	1ow	quiet-unsettled	swa
26	126	3	0	very low	quiet	swa
27	124	2	4	very low	quiet-active	swa
2/28	124	21	1	1ow	quiet-active	swa
3/1	132	12	4	1ow	quiet-active	swa
3/2	144	15	3	high	quiet-active	maf/swa

#### Geomagnetic Summary March 3 1993 through March 29 1993

Date	FLUX	A	ĸ	SA	GEO	ETC
3/3	151	19	4	1ow	unsettled-mas	gwa.
4	167	20	2	moderate	quiet-active	spa/swa
5	165	5	0	1ow	quiet	gwa
6	167	8	3	high	quiet-unsettled	maf/swa
7	153	11	3	low	quiet-unsettled	swa
8	146	19	6	1ow	unsettled-ss	_
9	143	51	2	1ow	mas-unsettled	mas/swa
10	149	9	2	low	quiet-unsettled	mas end/swa
11	150	29	3	high	unsettled-mis	mis/maf/swa
12	161	20	5	high	unsettled-active	maf/spe/swa
13	142	23	2	low	unsettled-active	spe end/swa
14	136	16	4	1ow	quiet-active	swa
15	131	39	4	moderate	unsettled-mas	mis/swa
16	122	23	3	1ow	quiet-active	swa.
17	124	17	4	1ow	quiet-active	swa
18	127	14	1	low	quiet-active	swa
19	135	9	4	moderate	quiet-unsettled	swa
20	128	14	3	moderate	quiet-active	gwa
21	131	19	2	low	quiet-active	swa
22	128	19	2	moderate	unsettled	swa
23	121	9	5	1ow	quiet-active	swa
24	115	27	4	1ow	unsettled-mis	swa
25	117	14	3	low	quiet-active	swa

26	117	8	2	1ow	quiet-unsettled	swa
27	122	9	2	low	quiet-unsettled	swa
28	126	11	3	low	quiet-unsettled	swa
3/29	129	13	3	moderate	oniet-active	gwa

#### Geomagnetic Summary March 30 1993 through April 25 1993

3/30	Date	FLUX	A	K	SA	GEO	ETC
3/31 125 7 3 low quiet swa 4/1 124 8 2 very low quiet - 2 121 5 2 very low quiet - 3 117 1 1 low quiet - 4 116 26 6 very low mis-mas mis 1434 5 119 66 2 low active-mas mas 6 7 130 13 1 low quiet-unsettled - 8 143 17 2 low unsettled-active - 9 136 20 5 low active - 10 - 20 2 low unsettled-active - 11 119 9 4 low quiet-unsettled - 12 103 11 2 low quiet - 13 97 25 4 very low quiet-mis - 14 92 17 4 very low quiet-active - 15 88 26 4 low unsettled-active - 16 90 12 2 low quiet-active - 17 96 8 4 low quiet-active - 18 106 16 3 high unsettled-active maf 1950 19 111 9 3 low quiet-unsettled - 20 119 23 4 low unsettled-active - 21 119 25 4 low unsettled-active - 22 117 15 2 moderate unsettled - 23 122 9 3 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 25 122 9 3 low quiet-unsettled - 26 129 7 2 low quiet-unsettled - 27 120 quiet	3/30	129	17	2	low	unsettled	swa
4/ 1       124       8       2       very low       quiet       -         2       121       5       2       very low       quiet       -         3       117       1       1 low       quiet       -         4       116       26       6       very low       mis-mas       mis 1434         5       119       66       2 low       active-mas       -         6       -       -       -       -         7       130       13       1       low       quiet-unsettled         8       143       17       2       low       unsettled-active         9       136       20       5       low       unsettled-active         10       -       20       2       low       unsettled-active         11       119       9       4       low       quiet-unsettled         12       103       11       2       low       quiet-mis         14       92       17       4       very low       quiet-active       -         15       88       26       4       low       quiet-active       -         16       90							
2 121 5 2 very low quiet					very low	-	-
3 117 1 1 low quiet - mis-mas mis 1434 5 119 66 2 low active-mas mas 6		121		2		_	
5 119 66 2 low active-mas mas 6	3	117	1	1		quiet	-
6	4	116	26	6	very low	mis-mas	mis 1434
7 130 13 1 low quiet-unsettled - 8 143 17 2 low unsettled-active - 9 136 20 5 low active - 10 - 20 2 low unsettled-active - 11 119 9 4 low quiet-unsettled - 12 103 11 2 low quiet 13 97 25 4 very low quiet-mis - 14 92 17 4 very low quiet-active - 15 88 26 4 low unsettled-active - 16 90 12 2 low quiet-active - 17 96 8 4 low quiet-active - 18 106 16 3 high unsettled-active maf 1950 19 111 9 3 low quiet-unsettled - 20 119 23 4 low unsettled-active - 21 119 25 4 low unsettled-active - 22 117 15 2 moderate unsettled - 23 122 9 3 low quiet-unsettled - 24 129 7 2 low quiet-unsettled -	5	119	66	2	low	active-mas	mas
8 143 17 2 low unsettled-active - 9 136 20 5 low active - 10 - 20 2 low unsettled-active - 11 119 9 4 low quiet-unsettled - 12 103 11 2 low quiet - 13 97 25 4 very low quiet-active - 15 88 26 4 low unsettled-active - 16 90 12 2 low quiet-active - 17 96 8 4 low quiet-active - 18 106 16 3 high unsettled - 18 106 16 3 high unsettled-active maf 1950 19 111 9 3 low quiet-unsettled - 20 119 23 4 low unsettled-active - 21 119 25 4 low unsettled-active - 22 117 15 2 moderate unsettled - 23 122 9 3 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 25 quiet-unsettled - 26 quiet-unsettled - 27 quiet-unsettled - 28 quiet-unsettled - 29 quiet-unsettled - 20 quiet-unsettled - 20 quiet-unsettled - 21 quiet-unsettled - 22 quiet-unsettled - 23 quiet-unsettled -	6	-	-		-	_	-
9 136 20 5 low active - 10 - 20 2 low unsettled-active - 11 119 9 4 low quiet-unsettled - 12 103 11 2 low quiet-mis - 14 92 17 4 very low quiet-active - 15 88 26 4 low quiet-active - 16 90 12 2 low quiet-active - 17 96 8 4 low quiet-unsettled - 18 106 16 3 high unsettled-active maf 1950 19 111 9 3 low quiet-unsettled - 20 119 23 4 low unsettled-active - 21 119 25 4 low unsettled-active - 22 117 15 2 moderate unsettled - 23 122 9 3 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 25 4 low unsettled - 26 129 7 2 low quiet-unsettled - 27 129 7 2 low quiet-unsettled - 28 129 7 2 low quiet-unsettled - 29 129 7 2 low quiet-unsettled - 20 129 7 2 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 25 122 9 3 low quiet-unsettled - 26 129 7 2 low quiet - 27 120 - 28 120 - 29 120 - 20	7	130	13		1ow	quiet-unsettled	-
10 - 20 2 low unsettled-active - 11 119 9 4 low quiet-unsettled - 12 103 11 2 low quiet-mis - 13 97 25 4 very low quiet-mis - 14 92 17 4 very low quiet-active - 15 88 26 4 low quiet-active - 16 90 12 2 low quiet-active - 17 96 8 4 low quiet-active - 18 106 16 3 high unsettled-active maf 1950 19 111 9 3 low quiet-unsettled - 19 111 9 3 low quiet-unsettled - 20 119 23 4 low unsettled-active - 21 119 25 4 low unsettled-active - 22 117 15 2 moderate unsettled - 23 122 9 3 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 24 129 7 2 low quiet-unsettled - 25 122 9 3 low quiet-unsettled - 26 129 7 2 low quiet-unsettled - 27 129 7 2 low quiet-unsettled - 28 129 7 2 low quiet - 19 129 129 129 129 7 2 low quiet - 19 129 129 129 129 129 129 129 129 129		143	17		low	unsettled-active	-
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Flux - Ottawa 10.7 cm (2800 Mhz) radio flux observed at approx 1700

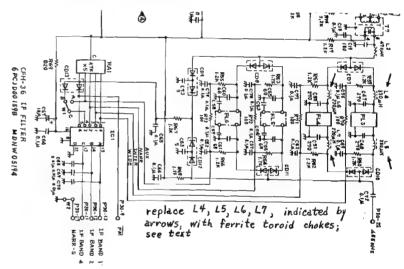
- A Fredericksburg VA magnetic field monitor 24 Hour index. An A > 30 indicates local geomagnetic storm conditions
- K Fredericksburg VA magnetic field monitor index. 0 very quiet, 9 - extremely disturbed. There are 8 of these per day, I only tabulate the 0600 UTC one (I usually monitor WWV/WWVH at
- SA very low less than 5 quiet regions on the solar disk, fewer than 10 C-class subflares, no important centimetric radio bursts or sudden ionospheric disturbances. Low - between 5 and 10 guiet regions, only C-class subflares, no important centimetric radio bursts or sudden ionospheric disturbances. Moderate - eruptive regions on the solar disk, fewer than 5 M-class x-ray events, important centimetric radio bursts or sudden ionospheric disturbances. High - active regions on the solar disk, several M-class x-ray events, important centimetric radio bursts and strong ionospheric disturbances and/or one or two importance-2 chromospheric flares or X-class x-ray events. Very High - one or more regions on the solar disk capable of producing proton events, one or more chromospheric flares of importance 2 or greater, outstanding centimetric radio bursts (500 flux units or greater), X-class x-ray events and major sudden ionospheric disturbances.

The above information from the guide to Solar-Geophysical Activity published by NOAA in Boulder CO. I use the information to attempt to discern trends in MW propagation DX conditions in the 27 day solar cycle. Certain DX conditions MAY repeat every 27 days.... phil b

## NRC-525: Filter Leakage ... by Dallas Lankford

In my recent article, "NRD-525: A Technical Review," I said that no filter leakage was present in the NRD-525s I tested. I was wrong. The method of measurement 1 used was not accurate below about 65 dB down on the filter skirts, and the "leakage" began about 70 dB down on one skirt of the INTER filter, and about 75 dB down on the other skirt of the INTER filter. The "leakage" is not observed for the WIDE filter when the test signal is injected at the antenna input terminal, as I did, because of the bandwidths of the cascaded filters ahead of the WIDE filter.

Before discussing the technical details of the "leakage" problem, let me describe a cure for the "leakage" problem. Replace L4, L5, L6, and L7 on the CFH-36 IF FILTER PC board with ferrite toroid chokes. For L4 and L5 replacements I used 25 turns of #22 enameled copper wire on Amidon FT-50-43 ferrite toroid cores. For L6 and L7 replacements I used 20 turns of #22 enameled copper wire on Amidon FT-50-43 ferrite toroid cores. You can purchase the FT-50-43 cores and #22 enameled copper wire from Amidon, P.O. Box 956, Torrance, CA 90508, telephone (310) 763-5770. Write for their catalog. By using #22 wire the finished toroid coil is sturdy enough to be self-supporting. However, I tied the ends of the windings with nylon cable lacing. At the output end of the INTER filter I mounted the toroid on its side flat against the PC board. I mounted the other toroids upright. A partial schematic of the NRD-525 filter board with changes indicated is given below.



Magne's RDI white paper review of the NRD-525 (Edition 2.0: 11 June 1987) stated that 525 filter leakage was "due to cross coupling in the matching networks of the IF stage," and that it "can, under extreme conditions, allow for penetration of adjacent interference." Magne's review also stated that "Sherwood has drawn up a tentative solution -- a variant of that used earlier on the '515 -- to improve the ultimate rejection on the '525 to -80 dB or greater." Sherwood's catalog (undated, about 1991) stated "improvement of existing AM and SSB filters can be realized with circuit changes to the i-f filter board. A 20 dB improvement in existing ultimate rejection is typical. Circuit modifications: \$39.00."

To understand the 525 filter leakage problem, you must consider all of the filters in the receiver. A block diagram of the 525 and some typical filter parameters are given below in Figure 1.

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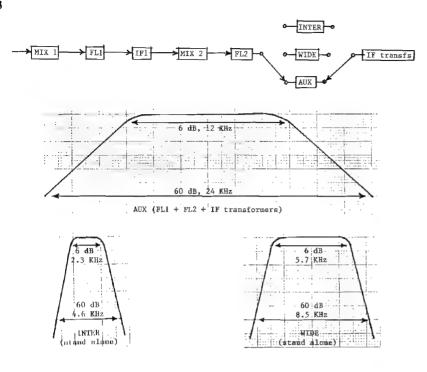
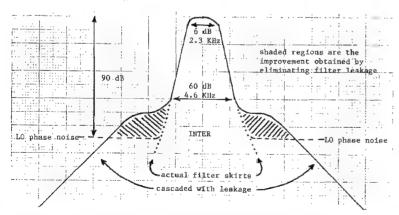


Figure 1

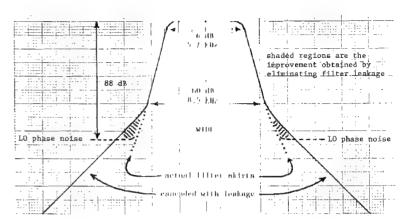
Let un suppose that the ultimate rejection of the WIDE and INTER filters is limited to 65 db. When either the WIDE or INTER filter is selected, the filter is cascaded with all the other filters in the 525. Attendation is additive, so the cancaded filter response when measured by injecting a signal at the antenna Input and measuring the signal at the audio output should resemble the solid lines in Figure 2 below.



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When cascading is included, the ultimate rejection of the WIDE or INTER filter is clearly well in excess of 100 dB. However, the effective ultimate rejection of an NRD-525 within about '40 FHz of a strong signal is determined not by the cascaded filters, but by local outlilator (LO) phase noise for the standard AUX, WIDE, and INTER (III) on a, and for any added filter. In other words, the ultimate rejection of a beautiful phase noise limited. For example, at ± 10 KHz from the LO, phase notice in typically 124 dBc/Hz. This means that at ± 10 KHz from a signal injected at the antenna input, noise due to the LO will be about 90 dB down when uning the INTER filter, and about 88 dB down when using the WIDE filter. Thum, II you measure the filter shapes by injecting a signal at the auteums tuput, the ultimate rejection of the WIDE and INTER filters would appear to be 88 and 90 dB respectively at ± 10 KHz. LO phase noise is represented by the dashed lines in Figure 2. LO phase noise begins to fall off slowly beyond + 10 KHz and may be somewhat higher than shown in Figure 2 at frequencion cloner than ±10 KHz. For example, I have made measurements with a 500 Hz Collins torsion mechanical filter at ± 5 KHz and gotten - 118 dBc/Hz phase make, or a 92 dB filter bandwidth of 10 KHz. I am inclined to believe that the Collins filter attenuation at ± 5 KHz is in excess of 92 dB, which meaning that I measured LO phase noise. If that is the case, then the danked | lines should slope upwards as the filter skirts are approached. In any case, the L() phase noise shown in Figure 2 should be regarded as the best one can expect.

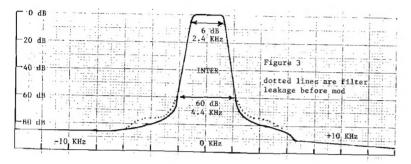
There is, of course, nothing that can be done to improve the <u>effective</u> ultimate rejection of a 525 because 1.0 phase noise enters the 525 at the 1st mixer, before any of the filtern.

As can be seen from Figure 7, the mod described at the beginning of these notes, replacing L4, L5, L6, and L/ by toroid chokes, merely eliminates pieces of the hump on the INTER filter midri below 60 dB, and takes small slices out of the WIDE filter skirt below 60 dB. In fact, it is difficult to measure any difference between "before" and "after" for the WIDE bandwidth. However, you may as well replace L4 and L5 while you have the filter PC board out of your 525 in case you ever decide to replace the WIDE filter with a narrower filter.

I missed the filter leakage previously because I measured the filter skirts with the NRD-525 AGC turned ON, and the signal levels I used were so high that the lst IF amp and 2nd mixer were driven into gain compression when the signal source was tuned below about 65 dB down on the filter skirt within about  $\pm$  10 KHz of the signal source. Beyond  $\pm$  10 KHz FII apparently has enough attenuation to eliminate the gain compression, and measurements with the AGC on are again accurate. The correct way to measure the deep (below 65 dB) filter skirts within about  $\pm$  10 KHz of a signal source is to measure upward from the 525 noise floor with the AGC turned off.

Is the NRD-525 filter leakage substantial enough to allow for penetration of adjacent interference under extreme conditions as suggested by Magne? I doubt it. I did very careful before-after listening under the most extreme conditions I could find, and I could not hear any obvious difference. But then I did not have two 525s, one modified and one unmodified, for simultaneous comparison. So perhaps there are a few DX situations per month where the mod provides slight improvement.

Figure 3 below shows the before-after shape of the INTER filter in my NRD-525. As can be seen, the results are not as dramatic as suggested by Figure 2. The main reason for this difference is that the INTER filter in my 525 did not have as much leakage as suggested by Sherwood. The in-circuit ultimate rejection of my INTER filter was about 75 dB, compared to 65 dB reported by Sherwood. Apparently there may be considerably variation in the amount of leakage from one 525 to another. You can also see that the LO phase noise is not as flat as indicated by Figure 2, and that the LO phase noise for my 525 is not symmetric. The measurements for Figure 3 were made centered at 1880 KHz. I have noticed that at other frequencies the upper and lower LO phase noise sidebands are more symmetric.



One thing is clear as a result of these measurements and observations. Filter cancading by installing add-on filter boards to improve the ultimate rejection of the original 525 filters is unnecessary because the ultimate rejection of the existing 525 filters exceeds LO phase noise when filter leakage is climinated. Since the amount of phase noise passed by a filter decreases as bandwidth decreases, it is worthwhile to eliminate filter leakage for narrower filters. For example, with a 500 Hz bandwidth Collins CW torsion mechanical filter, the measured noise was 92 dB down at ± 5 KHz. As 1 said before, it is impossible to determine whether this noise is LO phase noise, ultimate filter attenuation, or signal leakage past the diode switching circuit. But it does establish some upper bounds for each: my 525 LO phase noise at ± 5 KHz is less than -118 dBc/Hz, my CW filter has at least 92 dB ultimate rejection, and the diode switching circuit in my 525 has no more than - 92 dB leakage. Some writers have suggested that the 525 diode switching circuit is not capable of such high isolation, but clearly it is.

I would like to express my appreciation to Craig Siegenthaler and Denzil Wraight for pointing out that my previous AGC ON method of measurement was not correct in some cascs, and to Denzil Wraight for many long discussions about LO phase noise and filter leakage.

## IRCA AM-FM ALMANAC - Limited Edition

The 5th Edition of the IRCA AM-FM ALMANAC has sold out, and the 6th Edition will not be published until next year. But several NRC members have expressed interest in obtaining the most recent Almanac edition from 1991. To satisfy this domand, a limited number of copies of the 5th Edition will be published this summer. IRCA would like to know how many copies to print.

- 1991 Edition This will be the edition sent to the press in October 1990, and as such all sections are at least that old, with some information from 1983 and 1989.
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## Musings of the Members

Dave Schmidt P. O. Box 11502

Wilmington, DE 19850-1502

Times are local per Muse; submit double-spaced only.

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

DON TRELFORD - PO BOX 120 - ST. ANNS BAY, JAMAICA, WI ---- Now that we are very well settled in down here in sunny Jamaica, I think it is time to MUSE. First, an update on my DX progress for 92/93's season, verifications to date 339, making an all time total of 1057, adding 3 new countries (Antiqua, Cayman Islands and Mexico), for a total of 9 countries, adding 1 province (NS) and 4 states (AR, AL, MS & PR (a state?), most veries from ON-51, NY-49, PA-45, OH-25, FL 16 (from 2), MI-11, MA-10 and the rest are single digits for a total of 36 states. Some graveyard achievements, also. I don't know if there is any DX season down here (continuous summer!), but I do notice it is harder lately for get any distance. Intend to continue all spring/summer anyway. Have a LW running from my MFJ indoor active entenna, goes to the top of the roof and across an upstairs patio to a large breadfruit tree, approx. N/S, E/W. I intend to string it from a tall willow tree on one side of the house to the breadfruit tree but have to locate more wire (most place here don't know what an antenna is!) and will have to hire a young person to climb the trees. Pet peeve is the Cubnas (one/two on each frequency and their central and eastern coast is about 100 miles N), most are off by midnight anyway. Can pick up almost all cf the Jamaican AM here but have not sent any reports yet. A number of new stations have sprung up here but all are FM, guess good old AM is not in fashion here. Wou-1d be happy to hear from any member. No phone yet. 73s

ELLIOT R. STRAUS - 980 COOPER ROAD - TOMS RIVER, NJ 08753 fairly good. Sunset continues to be productive for me although MM's haven't been to great. In 10 weeks since my return to DXing, I've logged 136 new stations and have sent out 130+ reports with 61 veries back so far. On 4/6, I heard Arabic under WBZ and thought I had something really exotic until they signed off as WNTL. Well, not exotic....but needed anyway! WLCY-1550 seems to be running full power all night now (listed as 7 watts night), they've been dominating 1550 here on MM's. Recent veries in from WHAT, WRCP, WTZE, WKOX, WTTR, WSRO, WPDO, WSGH, WBIS, WMDH, WZYX, CIAO & WSKE. WMDH is my 20th verie for a 250 watt station. I have 28 veries from stations with 500 watts power. I hope everyone is making plans to be in Enfield in Sept., it should be a good one. Truly amazing is the fact that the 70' LW antenna I put up in January has survived all the storms and heavy winds. I wouldn't have bet a nickle that it would stay up through all of that, it swayed and rocked and rolled but hung in there. Pet peeves for this month: baseball games in the early evening, and Jim Bohannon on MM's. With the season winding down, that's about all I have for now. I'll probablt start sending out a lot of follow ups in the next 6 weeks or so and try to DX MM's as long as its worthwhile. Best 73s to all and good DX!

MIKE SANBURN - P O BOX 1256 - BELLFLOWER, CA 90707 ----- Greetings! My ears are still ringing from the Paul McCartney concert. I'd like to say hello and welcome to old friend and new member STEPHEN JARVIS, that makes 2 new members in the Long Beach area in a little over 1 month. S CA is still the DX capital of the world in my humble geocentric opinion. Of course, living here puts a damper on the prospect of logging all 50 states but I do OK. The KKAR DX TEST was logged here on 3/15. Quite a few tests made it this past season including KDES, KCKY, KAAM, KNAK, KNEB, KNZZ, & KAZM. Hopefully next season I'll catch something with a 'W' in it. Got a good reception report off to KVON the other night, usually 1440 is dominated by KDIF/KMED/KUHL (or KOPA in the mornin). Got a letter from KTMG-1370 saying they were back on the air with a country format and new owners. There's something to try for while KEEN is silent. I heard the name of a fellow DXer FRANK MERRILL mentioned on a recent Dr. Demento show, seems he sent in a record rarity called "My Ken L. Ration". I want to say thnaks to DANNY ROBERTS for the aircheck you sent, it's the next best thing to being there. One place I will be is the IRCA Convention in Billings, MT this June. Hope to do lots of remote DXing. Would love to go to the NRCs 60th also, it could happen with enough determination and frequent flyer points. Interesting news re the Superadio III in V60#24P26, unfortunately mine is one of those '92 models, so for now I'm sticking with the II until I can find a Sony 2010 or something comparable. Good DX - 73

4

back into the fold. I'm glad to be back with the NRC. Hope everyone is able to log a few new stations this spring. I look forward to meeting many of you in Enfield, CT! 73

RON MUSCO - BOX 118 - POQUONOCK, CT 06064

the WSRD bumper sticker is still there!-DWS) I received a phasing unit from MARK CONNELLY and the initial results are encouraging. Manchester on 1230 is about 10 miles away, and at 6:30PM the other weekend, I was able to phase the Spanish speaker into oblivion and hear WERI Westerly.RI & N Adams, MA. Normally, I would need a loop and very good conditions to hear these 2 after sunset. But they were with WDRC phased is Binghamton, NY, once again in broad daylight! SCHMIDT says the standards station I'm hearing on 1360 with WDRC phased is Binghamton, NY, once again in broad daylight. As ZAL MERRI-MAN says, its not the answer but a nice addition. (Dynamite really works the best-hi!-DWS) Otherness: no veries from the WKTX-830 or WWJZ-640 TESTS (why am I not surprised on WWJZ?). Convention plans have started as time is slipping by. Be sure to attend the convention and see Who wins "The BOZO" award, members whose last name begins with the letter 'S' are eligible (ie: Schmidt, Smith, et al).

CESAR OBJIO - CALLE ENRIQUE HENRIQUEZ 69 - SANTO DOMINGO, DR ---- Hi friends! I am very thankful for the 2 letters received from JIM RENPREW, one with the stations heard on FM and the other with what was heard on AM during his stay in Puerto Plata. I enjoyed it but he did not call. For any Dier coming to Puerto Plata, or to any town in the DR, if you do not have my phone number, it is listed in the telephone book, listed by towns in the whole country. You must dial 'l' plus the number, that is all, I am usually at home at night watching cable TV or listening to AM. On Good Friday, I was watching "Jeopardy" and one of the questions asked was an audio, of which I knew the answer as "The Syncopated Clock". Can someone make a copy of it for me who may have this record? In return, I would be willing to cover expenses or trade it for a tape with meronques, boloros, popular Latin music or the like recorded from our local stations. anyhody willing, please let me know. As usual, most of our stations closed down for Good Friday & Holy Saturday with the exception of the religious ones on 1440, 1480, 1510, 1540, 1570 & 1600 (yes, the high side of the dial belongs to religious stations). I heard something but almost nothing new, this DX has gone to IDXD. Not much DXing as T had to work around the house. Anyway, I liked the rest and change while most people in the city go to their places or origin in the country or to the beaches. Streets are almost deserted and everything is quiet. Catholie churches in the colonial section of the old city have a special program with many attending their activities. On Good Friday afternoon, they present the 7 Words Sermon at one of the churches, said by 7 different priests, on the radio. Also, a note, Radio Guarachita-690 plays Beethoven's nine symphonies on Good Friday afternoon starting at 12 noon til about 7 in the evening, they do that every year. So long, Friends, see you soon!

JOHN SAMPSON - 4949 AUDRICH AVE S - MINNEAPLOIS, MN 55409 ---- Greetings! Have been meaning to get this off since the Omaha convention but travel, holidays and otherness have postponed it. First, a big, belated thanks to ERNIE WESLOWSKY and the "Big O' team for putting on a great convention, the first one live been able to attend since the 1976 CT convention and I really enjoyed it. In late Oct., we again visited Australia and were also able to include New Zealand in our itenerary. In Australia, we visited Perth and a portion of WA, Kangaroo Island (off the SA coast), the SE Tasmania (from Launceston to Hobart) and also spent 2 nights and a day and a half crossing the Nullarbor on the train from Perth to Adelaide. N% sites included Christchurch, Queenstown, Wellington, Rotorua and Auckland (and many intermediate others). Took the TRF along and was able to hear many fascinating stations (would like to try the 388 from places like Bussleton, Kingscote and Orford, shore locals with no local AM stations). WHile in Perth, we visited the Commonwealth Book Shop and I bought 3 interesting books ('Broadcasting in Australia', 'Radio & TV stations -1992 to Present', & 'Commercial Radio & TV service Area Maps'). Thanks to a tip from JEFF TOMASIN, I had written the Australian Dept. of Communications and was advised that these books were available at the Commonwealth Book Shops in each of the Australian State's capital cities (the books can also be sent to the US but the postage is quite expensive). We arrived home in late Nov., in time to do the holiday necessities and then drive to the Boston area to spend Christmas with our daughter and son-in-law who live in Belmont. (Question for someone in that area, who do the 4 very large towers in W Belmont belong to?) Also had a great visit with ERNIE W. & SKIP D at Skip's place in late Dec., it was fun to see Skip's old con-

TOM BRYANT - 849 TODD PRIES DRIVE - NASHVILLE, TN 37221
---- Wow! When the guys at GE named it the "Superadio", they weren't kidding! I managed to pick up a factory reconditioned Superadio II a couple of months ago and was flabbergased. Talk about 'bang for your buck'. My advice is to try and find one before they are all gone. Another addition here is a Yamaha TX-930. I bought they primarily to get back into FM DXing but it also has a hot AM section. Borrowed a loop from local NRCer DOUG SMITH and have been much impress-

ed. The problem is now that I have to give the loop back! I am now looking for input on what to buy, help would be appredicted. I to have a lot of line noise, so keep that in mind when you comment, one other requirement is that it has to look fairly decent, I don't want something that books like a Dutch windmill or a scarecrow frame! (Yeah, one will blow the algorith away, the other with scare them away-hi!-DWS) With right at 100 new topology clare Nev., it's been a pretty good season here. New total is 531. Special thanks to the gays arranging the CPC test, they have not only been fun but very productive. Barly morning of 3/11 was interesting, E & N was dead and there was a becomen four opening to the W. KSL was totally obliterating local WAMB & Walls, FIRST was way over WPTF, KNX was dominating 1070 (usually a mess here) and KTWO was twice as official as WBZ! Thanks to all NRC members who commented on the 'Moultoning Timed' bit on my career, nice to hear from everyone. At the risk of ruttillum trattlement, I'd like to pass along an idea I've been thinking about for a long time. As a 1980; with several areas of inter-'est, I'd like to see consideration given be some nort of 'super club' that would encompass ALL forms of DXing, beacons, HW., Www. W., pleatest, cellular phones, you name it! We may be light years away from anything like that but maybe it's a goal that ANARC could work toward. I can need a lot of benefits, such as a large enough membership to base that we could allowed to put out a good publication and perhaps afford to pay an editor. This may be a way to eliminate a lot of duplication on information. How's that for opening a can of worms, just an idea but I wonder if anyone else has entertainedsimilar (houghtar) in general, I'm in favor of whatever is best for the hobby as a whole and other pxlng is multi-faceted, it might be interesting to pool all of our various substants. (I believe this was the case with the Newark News Radio Club and HANAM (they just NASA) years back but many just have an interest in just one one libe area thus the many specialized clubs. To make a publication that would have to go into great detail on various items in the radio spectrum would really be a HUGE ### figure!-DWS) A final note. had a nice visit with ERNIE WESLOWSKI who alogod by WSM on his way through town. If any of you are planning a trip down thin vay, let me know and maybe we can get a cup of coffee or something. GoodXing and plan to be in Nashville July 23-25 for the 1993 WFTDA convention. DOUG SMITH and I are no hosting and want to assure you that although its mainly a TV-FM club, those are a lot of AM guys in our midst and NRCers will be very welcomed! (Hey Tom You've got a PDS....a "Please Double Space" request....or you'll get to minutes on tape of the WVCH infamous Test Tone!-DWS)

DAVE BRAUN - 11 MILL BEND ACRES · WYOMING, DE 19934-9523 ---- The Blizzard of '93 bas come and gone here, and although we were without power for about 8 hours on Sal. the Itth, we weren't hit with as much snow as a lot of areas got. I did a little bit of the length during the day but didn't notice much that was out of the ordinary, although some stations seemed louder than usual. DX since the beginning of the new year has included a couple of strong openings in daylight hours to very specific aloas. On New Years morning from 0830 to 0930, had a great opening to W NY (motoding WHHO-1320, WTLB-1310, WHLD-1270, WPXY-1280, WLEA-1480, WWWG-1460 / WSYB | (00)-VT. On the morning of 1/27, had a great opening to New England from OHOO (1) OHAG which included WLNH-1350, WCFR-1480, WYKR-1100 (no sign of WHLT), WTSH ('/O, WKME-1020 and tentatives on WDER-1320 & WSBS-860. Traveled to VA Beach in early March and noted WVAB-1550 back on the air with Business News/talk. Some DV: 1/16 12:17AM, finally got an ID on WKTP-1590, 1st time since their call change a while back. While looking for WBNS-1460, at 12:30AM, I heard an ID for WMMA will a promo for a sports call in show on Sat. A. On 3/20 after a couple of days of founder than normal signals from the York/Lancaster area, finally got and the new WLAN 1390 under wmzg at 8AM. 3/27 around 10:25PM, an UNID sports call in program was noted on 900 sometimes even with CHML. This is the 2nd time this year live heard this one, does anyone know who this might be? Not much luck in the revent DX TESTs either. Anyone interested

can contact me on Prodigy at DPHTION or Compuserve at 73520,657.

JOHN TUDENHAM (WØJRP) - 2824 MISSOURI JOPLIN, MO 64804-2755 - - - - - - - - More additional to or corrections to the St. Louis radio scene in years past. I grew up in the St. Louis area and started DXing at the age of 8 in 1938 when my dad bought me a Philimore crystal set. I do remember KSD & KFUO sharing time on 550. WEW was on 760, later going to 770. KMOX was on 1090 going to 1120. WIL was on 1200, taken to 1230 then to 1430 with 5000 watts in 1948. KWK (now KASP) was on 1350 quiling to 1380. WTMV 1500 going to 1490. KXOK went on the air about 1939 on 1250 quiling to 530 with 5000 watts a few years later. Around 1941, there was a major troquency shift of all US stations above 750 khz with all stations going from 10 to 30 klys, mostly up. WIL was located on the MEL-BOURNE HOTEL in mid-town St. Louls (abudlo & transmitter) with 250 watts. When they moved to 1430 in 1948, the transmitter moved across the river to IL with a directional antenna system. Around 1945, WTG-1230 was my favorite station with the pop music of the day (big bands and ballads) and St. Louis baseball with Harry carey (his 1st year) and Gabby Shired. They were also the 1st station to go 24 hours on the weekends with a program called "Dawn Patrol" with Ed Rutledge, a big hit with the teenagers then. Also remember WIL-FM going on the air in 1947, later going off the air with most other FM stations!

ROY H. MILLAR - 13714 30th AVE NW - MARYSVILLE, WA 98271-7007

---- A little bit about a few hours of listening on the AM band from a location near Keauhou Bay, Island of HI (about 5 miles S of Kailua-Kona) at the end of Feb., using a Sony SWI with a Radio West unamplified ferrite bar. Mid-day band scans netted all NRC log (1992) listed in the state except KHLO-850 & KAHU-1060 could not be heard until toward evening, probably because I was in the shadow of Mauna Kea/Mauna Loa 13,700 feet or so! KUAU-1570 not heard, presumably not on the air. Technically, I didn't heard KIPA-620 in Hilo as the strong Kona coast signal was undoubtedly from the Kalaoa SX. KPUA-670 did make it in (10 or 50 kw, T don't know). I wasn't aware of the KTPO/KTFO-1380 call change so can't say for sure which was in use, but it seems to me like "Kipo" was the sloqan used. 1992 WRTV CPs. KXDS-810 & KJRI-970 not heard, don't know if they are active CPs or not. KWA712-1610 not heard at Kona, forgot to check out at Volcanoes NP but saw no sign re same. Limited evening listening (to about 10PM local time) netted the following: Most distant IDed: Tonga-1017. Lowest powered IDed: KMNY-1600. Furtherest N IDed: KIRO-710. Again, perhaps location to the W of Mauna Kea/Mauna Loa did not favor American reception. Thank goodness I took the ferrite bar antenna along, signals were just not there on the SWI without antenna assistance in most instances. Appreciated the 9khz option on teh SW1, sure facilitated scanning for TP splits. Twice, "Radio Australia" news tipped me off to stop and listen, I had no log with me but a good idea of what might be heard from the south. 73

ELLIOT R. STRAUS - 980 COOPER DRIVE TOMS RIVER, NJ 08753 ---- Hi gang! DX continues to be very good here with 45 reports out no far in March. Recent veries are in from WWII (great call letters), WWKB, CHTN, CRTY, WARD, WBUD, KBOA, WLNL, WADV, WIMX, WUOK, WLEE, WORX, WVNE, WIFI & WPUT-All my loggings and DX of interest has been reported to the appropriate columns. MM's have been pretty poor with lousy band conditions but 3/22 was pretty good. I got a good log on WMDH-1550. 1550 is definately my all time favorite freq. with 42 glad long logged from 21 different states and 3 countries including 250 watt Statylong rom TN, Cuba, FL,& NY. My next best freq. would be 1580 with 39 logg-Inqs. 26 vertes each on 1550 & 1580. I'm really looking forward to the convention to Enfloyd and have been saving my bucks to purchase a new Drake R8 and the new KIWA loop for next season. I love the R390A and it will always be my favorite receiver but I'd Love to have digital readout and memory. All 390A users will appreciate the difficulty in jumping from 990 to 1000 khz. (There is an easy way to cure that, Elliot, get another 390A!-DWS) I'd also like to be able to program all my dominant stallons in memory and on a MM, just run through them to see who may be off the old. Well, that's about it from here, I hope the season last a while longer. Best 7 to to all.

ANDY RUGG (VEZEM/I) 375 IVAN CIRCLE - CORNWALL, ON K6H 7C7
---- A combination of events kept me away from the AM dial for most of last year. This winter, my BCB DX was limited to TESTS from WWJZ-640, WVCH-740 & WMUS-1090. New veries are WVCH 740, WKVA-920, WMUS-1090 & WVEI-1440. I enjoyed renewing so many NRC acquaintances at the Kulpsville event in Feb. Now that my work schedule is calming down, I may be able to get in some more BCB DX before the season ends. A Quantum loop was added to my shack but I haven't tried it out yet. I also obtained a backup Superadio II. It proved its performance with mid-day reception of WBZ-1030. I expect to attend the Enfield convention. After 33 years of on/off BCB DXing, my totals are now 1759 logged and 1674 verified for a 95.2% return. 73

ROCKY STONE - HCR-1, BOX 407 - HOLLISTER, MO 65672

- - - - Howdy once again from the Boomin' Branson area. Hope this finds everyone well and happy. Well, DX season seems to be at an end here in the Ozark Mountains as storm after storm obliterates the airwayes. But a good season it was and a special thanks to the CPC dudes for the great tests. I managed to snag 5 veries in record time (the offers for free tickets to our show may have helped!). KWTO-550 is using a lot of audio processing for a news talk station, baseball games sound like the entire bleacher is in the broadcast booth so you may want to keep your ears peeled for that. WCRV-640 is a daytime regular on the car radio, quite a haul from the Memphis area to here. KTWO-1030 blasts in for around 2 hours at sunset, then the battle begins with about 5 others. KIDS-1340 is still going strong with its "stricly for kids" format, their schedule is 8:30A-8:30P but they are gnerally gone by 4 PM. I still manage to hear about 5 ex-hometown Houston stations up here. For some reason, KGBC~1540 is always stronger on Friday night with baseball games, special dispensation? (No, likely so they can hear the station at the game at night....vou'd be surprised how many stations show up at night during high school football in the fall that you never hear otherwise, somehow the night power gets lost that night!-hi!-DWS). An old friend who used to sing at Gilley's Nite Club in TX is now a DJ at WVWI-1000 so if anyone needs a verie, just get in touch with me. WIshing all a no static, allergy free Spring, TTTTTT (7-T's)!

STEVE BIRO - 1010 PONSI STREET, 1st FLOOR - FORT LEE, NJ 07024-2522 - - - - Not much excitment on the DX front in the NY metro area lately but there are some interesting tidbits to pass along. No doubt everyone heard of the

World Trade Center bombing on 2/26. The blant knocked off all but one of the NYC TV stations as well as 5 FM's. Only WCIE. 'remained on the air using backup facilities on the Empire State Building. All the other TV's stayed off for up to 11 hours on more being relayed by submitted mill atailons. Programming from the NYC TV stations continued to be seen by people with cable TV within the city itself because the cable companies receive local adjusts via fiber obtic lines, not off air. On FH, WOCD-101.9, WNY-103.5 & HART TILL managed to operate via lower powered for the Index Center. Despite the problems, local TV & radio did a great job covering the Event. Of course, NYC-93.9 & Macro HP (and a decent job covering the event. Of course, NYC-93 Hatallons were unaffected, so the all news outlots (WMS-880 & WINS-1010) were heard but & wide with their usual coverage. WHIRE II is seemed to have a hard time templing up but did a decent job considering their unafter local news state. They along it has already been printed-DWS)

KEN MACHARO CASTLLA 17-17-691 - OULTO, COMADUR regularly hound from Columbia, Panama, tool ( Mica, Peru and occasionally Venezuela and Bollvia. Also the VOA Bellac transmitter puts in a nightly signal as does the Carlbbean Beacon. Occasionally ( 1000) Jampilea as Well. Radio Cayman Islands will be dropping MW broadcasts later this year. I heard them nightly while we were living in Costa Rica. They send only unless confirmation letter so get them while you can. I was sorry to read that the abilton profiles featured in the past are not too popular. It has been a white wince I have seen them in the bulletin and I recently sent off for the aspecute tinking to complete my set before they are gone. To bad someone can't take on that Job. I do appreciate the many historical (catures by THOMAS WHITE His recont article about some of the really early radio stations prompted me to send in to club headquarters some material which I received from WWJ about the process one to back up their claim to be the 1st regularly acheduled broadcast statton | 1 have recently joined the NA Radio Archives (c/o: Janis DeMoss, 5291 doles that Pike, Lexington, KY 40515). They have a fantistic collection of old time reflectioned, comedy, etc. I have around 250 to 300 programs on tape now. It is an interpolling sidelight to the hobby. Thanks to the NRC staff for your good worl. I) be my connection at this distance to what is happenig in the radio scene to the up A complander: we are carrying the NRC Medium Wave Report on HCJB's to that the every 3rd Saturday of the month (15155, 9745, 21455, 17490 at 8:30, 10 m / 1. MAIN Sumbley EDT on 11925 & 21455). We also carry announcements of the classification againable. Be sure to tune in!

GERRY THOMAS - 3635 CHASTAIN HAS PILE ACTUA, PL 32504 ---- Hi again. dust got but from the Orlando Hamvention, picked up an Allied SX190 (which I've been tooking for tot years) for SW work, nothing else to note. I did join the FL And type Wireless Mroup, an association of about 400 Floridians with an interest in old time radio of one sort or another. Most of these folks have an interest in Hell to and I tound that ranking of the all time best tube type communication territoria automorthy: #1 Collins R390A, #2 Hammerlund SP-600 Super Pro, #3 Colling State, #1 Uniformal HRO60, #5 Hammerlund HO180 series, #6 National NC183D, #7 Hallbrallorg 's HH, #8 Hallicrafters SX28, #9 Hammerlund HQ145 & #10 Hallicraftern . 6' Alon In the name newsletter was this unreferenced comment regarding the relationable between weather conditions and DX: "Measurements made at various unlessed that of a night following a cloudy day, signals were received more clearly than on alghts following days of bright sunlight. It appeared that cloudling on a most effective when it covered the territory lying between the smalling and receiving stations." Make of that what you will. On other matters, then pull tropelled a coupler for use with the Quantum Loop and radios not having intellia terminata. It actually seems to work better on portables like the Super office than the direct connection method (because you can control the degree of compling and, thorotore, the Q), details in an upcoming article (also some updates on the Quantum Lamp). I'll be in OH in late April and will try to get by the mayton Hambert, which should be an experience. 73

KARL D. FORTH - 2441 W HELLE PLAINE PHIPAGO, IL 60618 --- --- I've been apending a fiftle more time at the dials this season than last. Most of the activity thin you has been chasing the DX Tests, and I've heard a number that have been needed here. Thanks to those who arranged the Tests! Highlight: have been KCNO 570, KNEB-960, WNTK-1020, WNNW-1110 & WWJZ-640, all new here. Office than the DX Tests, activity has been light. The band is a little to crowded for Interesting tate alight sessions and a few times I've tried sunset, the band have been fairly qubet. I have achived one goalthis season, hearing WGN-720 off the air and logging bas Vegas on that frequency. Wait until next year! One interesting non-DX Tool logging has been KFMO-1240, heard once at midnight during the WHMM/WEDC switch. Hometimes there's a gap of a few seconds in which am 10 can be heard. I also beard them shortly after midnight another time. My HQ160 to back in action and to being used for both MW & SW DX. Local DXer NORM GEUDER alliqued and greatly improved the sensitivity of this 30 year old receiver. I've also been working on a project computerizing my heard log. I've finished all the torolog loggings and all the domestic except for a 4 year gap from 1974 to 1978. Plually, it's good to see DON MOORE in the NRC & reporting! 73

RICK DAU - 917 E. COLLEGE STREET #6 - IOWA CITY, IA 52240-5513 ---- Another DX season is in the books and it was a productive one. I heard over 100 new stations and many surprises and long sought toughies made their way to the shack. Best catches were probably the 2 DX Tests from NH (WNTK verified, I didn't send a report to WNNW), the NON verifying test from NJ and the amazingly good reception of KCNO-570 for its Nov. test, my 1st regional from CA logged anywhere. I was also pleased to snag some hard ones that I'd been chasing for a whil, such as WDBC-680, CKAP-580, CFSL-1190 & WROM-710 (still no trace of WJEP, however!). Total heard here as of May 11 stands at 977. Incidentally, my final new catch of 1992 was WDIA-1070. I really want to extend my thanks to both the NRC CPC and to J P STEPHENS for an incredible effort in getting all those tests on the air for us this season. I think other NRCers should do the same. There have been some changes on the airwaves in thse parts. Davenport-1170 has dropped its long time call of KSTT in favor of KJOC, remaining all sports. Sad to see that call go. Also, KWPC-860 is no longer CW but is now Adcon and ID's as 'Mix 86'. My eye caught a glaring error in AM Switch many issues back. There was some sort of application regarding a station on 1130 in Prescott, IA. Well, Prescott never has had a station and is probably too small to be the site for one! (It's near Corning, if your looking on a map). I am sure this was suppose to be Prescott, AZ. Wonder how that slipped by those organized folks at the FCC? By the time you read this, ERNIE WESOLOWSKI and I will have returned from a worthwhile weekend in LaCrosse, WI and the Ironwood, MI area. Details on the trip next time. Seven Tea Trees (You been hangin' around with WPT again?-hi!-DWS)

ERNIE WESOLOWSKI - 13312 WESTWOOD LANE - OMAHA, NE 68144-3543 --- For the 1st time in 6 days, the sun has come out! Lots of rain In the Heartland and another station ahs bit the dust. KHAT-1530 went silent on 1/10. KFM0 1480 should return to the air on 6/1 under the new call of KMAM, we will near! KOTT,-1290 is for sale and KKAR-1180 is interested in buying them. It will give KKAR a much better coverage area day & night. Just today, the EIB network began on SW on 15420 with Rush Limbaugh. Plan on attending Enfield on Labon Day. I will be arriving Thursday and if anyone is interested in sharing a ride, contact me by letter or phone (402 330-7758). I'm also thinking about vis-If log PO afferwards. A suggestion for those attending the convention, how about to Inglie I door prize and I auction item? This will make it all more fun. My tight with the RCC concerning the tone on 1001.4khz isn't goign anywhere. The tome in still there and no response from the FCC. We need 10 to activate an invegil light lon. If you want it stopped, you must write them. Thanks to JOHN D. BOWKER In this mailto). ("M Motto: "He who transplanted still sustains." Its also the countilution State. See you there!

DAVE SCHMIPP PO NON 11502 · WILMINGTON, DE 19850

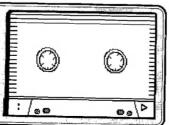
Record for a report from HANK HOLDROOK, the file is cleared out.
We have been prefly bury with work but now we are finding out that many are falling behind in their payments as I've got to play collection person, too. Such is life. Through the qrapevine, the sale of WITH-Battimore to the Kids Radio Network didn't go through no WITH is back on the block, remaining so far with the standards format. The "Help Radio" format folded on WHLP-1360 3 weeks after its start, the station went dark for a few days and has since returned with a standards format, banking on the pending change at WITH which didn't happen. DX is your plans now to attend the NRC convention, find out what RON MUSCO is REALLY like! Thanks to all for their support! 73.8

# "Latin America by Radio" - by Henrik Klemetz

168 pages of tips and suggestions for the non-Spanish-speaking Latin American DX'er. Includes tips on identifications, catchwords, speech patterns, music, newscasts, advertising styles, brand names, weather and time check formats, and much more. \$17.95, from NRC Publications. NY orders, add sales tax.

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The 60th
Anniversary

'I'he National Radio Club is pleased to announce that its infamous SWAT TEAM has returned from a recent deployment, just in time to host the NRC's 60th Auniversar y Convention.

The Convention will be held labor Day Weekend, September 3rd, 4th, 5th, and 6th at the Harley Hotel of Hartford/

Springfield in Enfield, Connecticut.

Contrary to previous statements, the SWAT TEAM is not incarcerated ... yet. And just as in the past, it will endeavor to make this year's Convention a BLAST! Join us for a glorious weekend ... enjoy a "Hillbilly Banquet" on the patio, the NRC Auction, "The Quiz", the "Find the Sticker" contest. John Bowker, Mark Connelly, and Tony Fitzherbert will do their thing and the SWAT TEAM will do theirs.

The Harley is located at 1 Bright Meadow Blvd., Enfield, Connecticut 06082 (I-91 at U. S. Route 5, Exit 49). I-91 runs north-south between the Massachusetts Turnpike (I-90) and the Connecticut Turnpike (I-95)

The Harley has a shuttle bus between Bradley International

Airport in Windsor Locks, CT and the hotel. The hotel's phone number is (203) 741-2211.

A form is included for room reservations. The single or double price is the same, \$59 per night, plus 6% state tax. Reservations must be made directly with the hotel. The NRC Convention Committee will not be getting involved

with room reservations/room sharing.

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A registration fee of Forty Dollars (\$40), which includes the banquet, may be paid in advance. Checks payable to the "National Radio Club" may be sent to NRC Convention - P. O. Box 118 - Poquonock, CT 06064.

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Questions, suggestions, etc., may be sent to Box 118; an SASE is required if an answer is desired. Bring items for the Auction. The 50th Anniversary Convention had about 70 attendees; let's try to bet-

-THE WIZ

ter that mark.